Central Testing Laboratory

EB 0002407

Engineering & Materials Testing

Reply to:

Leesburg

May 23, 2012

Board of Sumter County Commissioners
Public Works Division
319 E. Anderson Avenue
Bushnell, Florida 33513

Attention: Mr. Scott Cottrell, P.E.
County Engineer

Subject: Groundwater Monitoring Report, Facility #53008
SCSW Landfill Buried Plastic Debris Area
Sumter County, Florida
CTL Project No. 1184094.201

Dear Mr. Cottrell

CTL has completed the installation, development, sampling and testing for background water quality of the ground water monitor wells at the subject site. The wells were installed March 20, 2012 to the depth specified and constructed in accordance with the monitor well detail proposed in our letter report dated January 19, 2012 and per comments from FDEP dated February 29, 2012.

Standard Penetration Test (SPT) borings were performed at the location of each monitor well prior to installation. Copies of these boring logs are presented in Appendix I. The wells were installed to a depth of 40 feet with the tip elevation at or near elevation +36.0. The wells were developed April 5, 2012 using a submersible pump operating at a flow of 2.0 gallons per minute for a period of one to two hours. The permit for the well installation and the well completion report is presented in Appendix II.

The elevation of the top of casing and the location of each well was determined by Wiley Surveying and Mapping, Inc. and provided to CTL in a survey drawing dated April 2, 2012. A copy of the survey is presented in Appendix III. Depth to groundwater was measured in each of the monitor wells and in the temporary piezometers prior to sampling. Using the survey data and the depth to groundwater measurements made the elevation of the groundwater and the direction of groundwater flow was determined. Groundwater level measurements and groundwater flow direction is presented in the following Table of Groundwater Elevations and Groundwater Flow Maps are presented in Appendix IV.

Groundwater Elevation Data Summary
TABLE 1

Date	**April 5, 2012**		
Piezometer No. / Monitor Well No.	**Top of Casing Elevation**	**Depth to groundwater**	**Groundwater Elevation**
PZ-1	74.67'	32.16'	42.51'
PZ-2	72.08'	29.20'	42.88'
PZ-3	73.17'	30.07'	43.10'
PZ-4	73.27'	30.64'	42.63'
MWB-1	75.58'	32.50'	43.08'
MWC-2	76.68'	34.06'	42.62'
MWC-3	75.40'	32.90'	42.50'
Date	**April 26, 2012**		
Piezometer No. / Monitor Well No.	**Top of Casing Elevation**	**Depth to groundwater**	**Groundwater Elevation**
PZ-1	74.67'	32.44'	42.23'
PZ-2	72.08'	29.50'	42.58'
PZ-3	73.17'	30.35'	42.82'
PZ-4	73.27'	30.82'	42.45'
MWB-1	75.58'	32.78'	42.80'
MWC-2	76.68'	34.35'	42.33'
MWC-3	75.40'	33.13'	42.27'

Sampling of the wells was performed April 26, 2012 in accordance with FDEP SOP 001/01 by Advance Environmental Laboratory. The samples were returned to the AEL laboratory and tested for the parameters specified in the Ground water monitoring plan dated May 5, 2011. A copy of the data collected during the sampling event is presented in the Groundwater Sampling Logs Presented in Appendix V. The results of the laboratory testing for each well are presented in Appendix VI.

Sampling Results Summary

Field Parameters

pH

The pH values measured during the sampling event appear consistent with values typical for groundwater in west central Florida. The values ranged between 6.69 and 6.98 and are considered to be slightly acidic.

Temperature

The temperature of the groundwater ranged from 23.7°C in MWB-1 and 28°C in MWC-2. The groundwater temperature was higher in the two down gradient wells than it was in the background well.

Dissolved Oxygen (DO)

Dissolved oxygen levels ranged from 0.46 mg/L to 2.43 mg/L with the highest degree of saturation occurring in the background well MWB-1 at 28.7 percent. Degree of saturation of the down gradient wells was 6.01 percent at MWC-2 and 5.68 percent at MWC-3.

Specific Conductance

Conductance values ranged from 959 µmhos/cm in MWB-1, the up gradient well, and 1273 µmhos/cm and 1466 µmhos/cm in the down gradient wells MWC-2 and MWC-3 respectively.

Turbidity

Turbidity values ranged between 18.1 and 72.3 NTU. The highest value was taken in well MWC-2. It is FDEP recommendation that turbidity values of less than 20 during sampling. Turbidity values higher than 20 can result in bias of other parameters.

Analytical Laboratory Results

The analytical laboratory test results have been compared to the Primary and Secondary Drinking Water Standards of 62-550 FAC and the Groundwater Cleanup Target Levels (GCTL's) of 62-777 FAC for each parameter. Based on this review only two parameters were detected that were above the GCTL's. The two parameters were iron and Total Dissolved Solids. All other parameters tested for were below the GCTL or were below the Method Detection Limit (MDL) of the procedure and equipment used in the analysis.

The iron concentrations in the three wells were MWB-1= 370 µg/L, MWC-2= 370 µg/L, and MWC-3= 360 µg/L. The GCTL for iron is the Secondary Drinking Water Standard of 0.3 mg/l or 300 µg/L. All three wells are above this level and the two down gradient wells are equal to or below the up gradient or background well level.

The values for Total Dissolved Solids in the three wells were MWB-1 = 570 mg/L, MWC-2 = 700 mg/L, and MWC-3 = 910 mg/L. The GCTL for Total Dissolved Solids is the Secondary Drinking Water Standard of 500 mg/L.

Discussion of Results

Comparison of results between the three wells indicates similarities in pH values as all three field results were within 0.3 units and all slightly acidic. Greater variation was observed between wells in temperature and dissolved oxygen. The temperature was lowest at the background well which had a significantly higher dissolved oxygen reading. Typically the degree of saturation of dissolved oxygen in groundwater is less than 20 percent. The degree of saturation can be elevated by purging techniques or can be naturally occurring and relating to temperature and subsurface flow patterns. The degree of saturation can also be reduced through the process of organic matter decay. Purging procedures did not vary significantly between the wells and there was an increase in temperature in the down gradient wells

from the background well. It is our opinion that there is a correlation between the temperature and dissolved oxygen levels recorded.

Similarities identified in all three wells include elevated Specific conductivity values, high iron concentrations, and high total dissolved solids. There is a good correlation between specific conductivity values and total dissolved solids concentrations. The iron concentrations were similar in all three wells and were above the GCTL for iron however the concentrations in the down gradient wells were the same or lower than the up gradient or background well. The high iron concentrations may be naturally occurring or may be the result of higher turbidity values and high total dissolved solids.

Turbidity values were above the recommended 20 NTU values in two of the three wells at the time of sampling. Turbidity values are increased with fine grained sediments migrating through the filter media and with disturbance of sediments in the well. It was evident during sampling that the turbidity levels were very high upon initial purging and that the levels dropped significantly during the purging process. The varying turbidity values between the wells are related to the different lithologic units of the screened interval for each well. From the boring logs it is evident that the screened intervals of these wells are positioned in silty and clayey limestone or in silty and clayey sands with limestone fragments. It is anticipated that turbidity levels will improve with additional sampling events. During subsequent sampling events, the purging times will be adjusted to facilitate a reduction in turbidity values.

CTL is pleased to be of assistance on this project. Should you have any questions or comments regarding anything in this report, please do not hesitate to contact me at (352) 787-1268 or via email at tstrouse@ctlfl.com.

Sincerely,
CENTRAL TESTING LABORATORY, INC.

Theodore J. Strouse, P.E.
President
Florida Registration No. 48220
5/24/12

cc: File
Jackey Jackson with Sumter County Public Works
John Morris with DEP

APPENDIX I

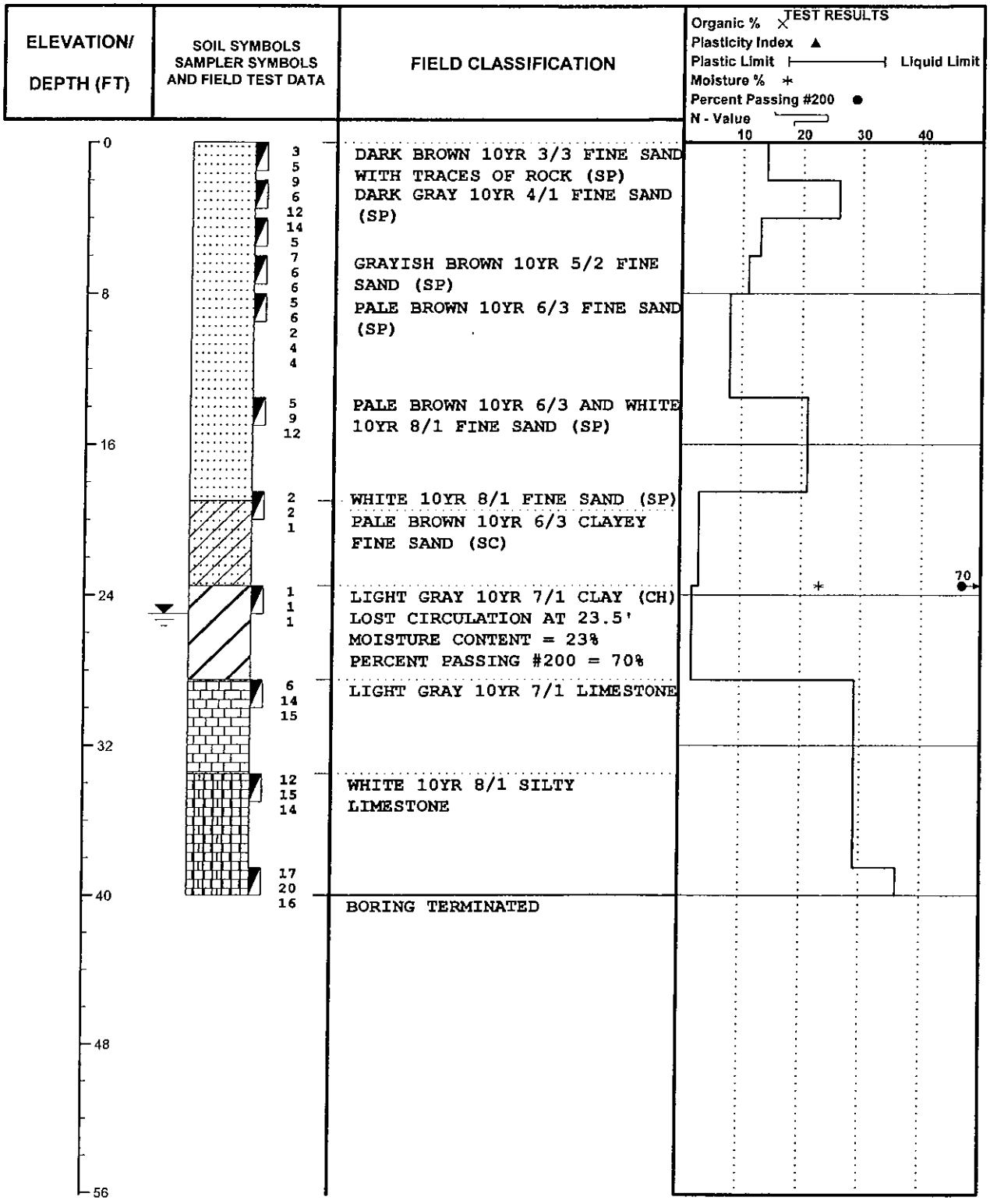
SOIL BORING LOGS

BORING LOG

BORING NO. PZ-3/MWB-1

PROJECT: SUMTER COUNTY LANDFILL GWMP
BORING LOCATION: 175' SE OF SE CORNER OF AREA OF INTEREST
BORING METHOD: ASTM D-1586
CLIENT: SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS
DEPTH TO - Water: 25.0

DATE: 9/23/11
ELEVATION: N/A
DRILLER: AMDRILL
DEPTH OF COLLAPSE: N/A



Notes: **PIEZOMETER INSTALLED TO 38.5'. 10'0.10 SLOT SCREEN. 2 BAGS 20/30 SAND AND 1/2 BUCKET BENTONITE.**

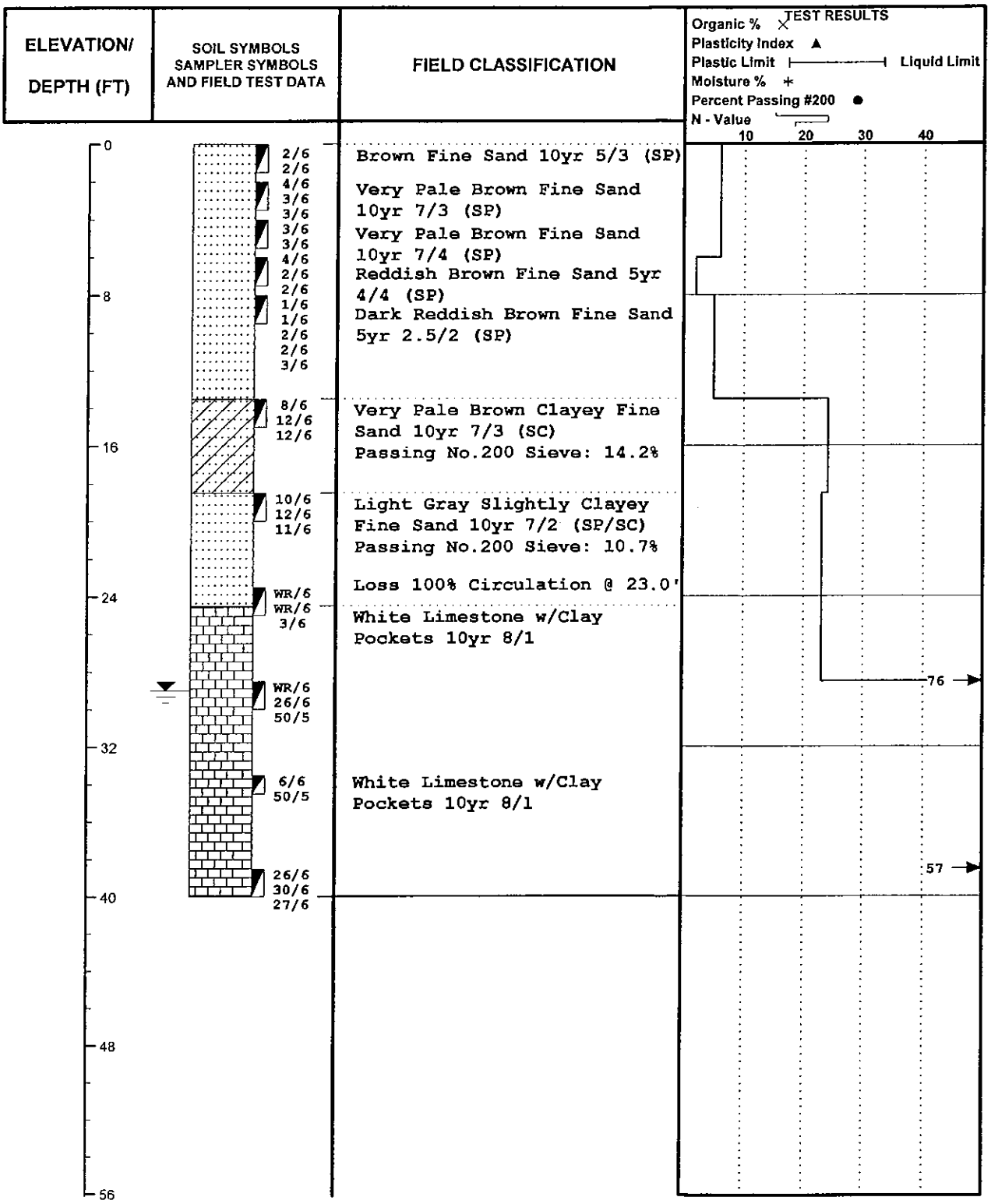
BORING LOG

BORING NO. MWC-2

PROJECT: SCSW Landfill, Groundwater Monitoring
BORING LOCATION: 18' W. & 100' S. of PZ-1
BORING METHOD: SPT (ASTM D-1586)
CLIENT: Board of Sumter Co. Commissioners
DEPTH TO - Water: 29.0'

DATE: 3-19-12
ELEVATION: N/A
DRILLER: IDI/TS

DEPTH OF COLLAPSE: N/A



Notes: **WR = Boring advanced with weight of rod & hammer.**

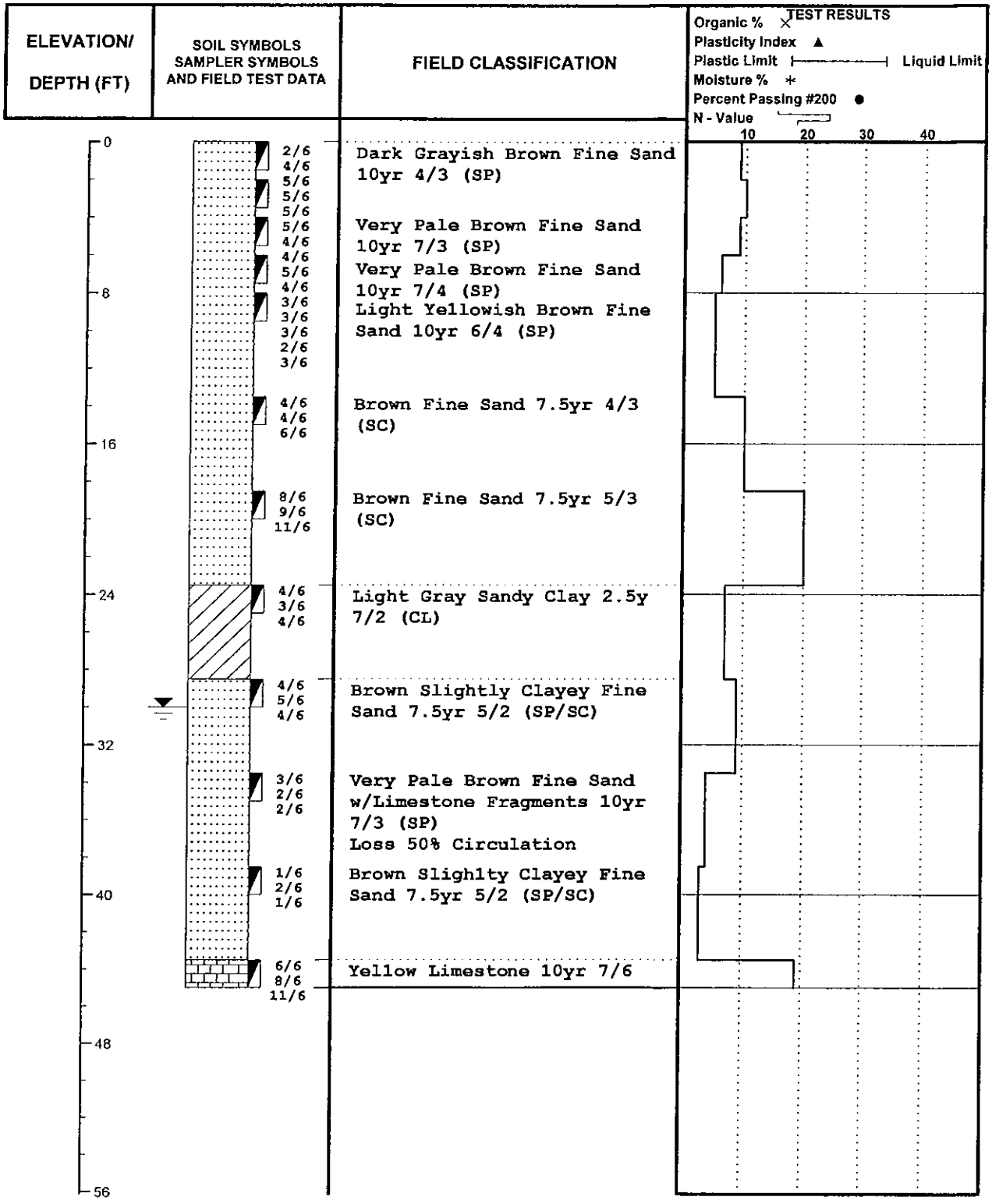
BORING LOG

BORING NO. MWC-3

PROJECT: SCSW Landfill, Groundwater Monitoring
BORING LOCATION: 9' N. & 78' E. of PZ-1
BORING METHOD: SPT (ASTM D-1586)
CLIENT: Board of Sumter Co. Commissioners
DEPTH TO - Water: 30.0'

DATE: 3-19-12
ELEVATION: N/A
DRILLER: IDI/TS

DEPTH OF COLLAPSE: N/A



Notes: **WR = Boring advanced with weight of rod & hammer.**

KEY TO SYMBOLS

Symbol Description

Strata symbols

POORLY GRADED SANDS
OR GRAVELLY SANDS
LITTLE OR NO FINES

CLAYEY SANDS
SAND-CLAY MIXES

LIMESTONE

INORGANIC CLAYS
MEDIUM PLASTICITY

Misc. Symbols

Water table at
boring completion

Soil Samplers

Standard penetration test

Notes:

1. ELEVATIONS REPORTED ON LOGS PROVIDED BY CLIENT.
2. THESE LOGS ARE SUBJECT TO THE LIMITATIONS, CONCLUSIONS, AND RECOMMENDATIONS IN THIS REPORT. DUE TO POSSIBLE VARIANCES IN THE SUBSURFACE BETWEEN THE LOCATIONS OF THE BORINGS, AND THE VARYING DEGREE OF DISTURBANCE, THE DESCRIPTIONS GIVEN ARE GOOD ONLY FOR THE MATERIALS REMOVED DURING THE CONSTRICTION OF EACH BORING.
3. RELATIVE DENSITY (sand-silt)
   VERY LOOSE - Less than 4 blows/ft. LOOSE - 4 to 10 blows/ft.
   MEDIUM - 10 to 30 blows/ft. DENSE - 30 to 50 blows/ft.
   VERY DENSE - More than 50 blows/ft.
4. CONSISTENCY (clay)
   VERY SOFT - Less than 2 blows/ft. SOFT - 2 to 4 blows/ft.
   MEDIUM - 4 to 8 blows/ft. STIFF - 8 to 15 blows/ft.
   VERY STIFF - 15 to 30 blows/ft.
   HARD - More than 30 blows/ft.
5. COLORS ARE DETERMINED BY USING THE MUNSELL SOIL COLOR CHART AND THE VALUES ARE GIVEN IN CODE SUCH AS 10YR 3/4.

Legend:

APPENDIX II

PERMIT FOR
WELL INSTALLATION & WELL COMPLETION
REPORT

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

X Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable) ____________

PLEASE FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

The water well contractor is responsible for completing this form and forwarding the permit application to the appropriate delegated authority, where applicable.

Permit No. 820673 **DRAFT**
Florida Unique ID ____________
Permit Stipulations Required (See Attached) ____________
62-524 Quad No. ______ Delineation No. ______
CUP/WUP Application No. ____________

ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. Sumter County Board of County Co — 7375 Powell Road — Wildwood — FL — 34785 — ______
*Owner: Legal Name if Corporation — *Address — *City — *State — *ZIP — *Telephone Number

2. 915 CR 529 — N/A
*Well Location - Address, Road Name or Number, City

3. J22=004 — Lot ____ Block ____ Unit ____
*Parcel ID No. (PIN) or Alternate Key (Circle One)

4. 22 — 20 — 22 — SUMTER — ______ — Check if 62-524: ___ Yes ___ No
*Section or Land Grant — *Township — *Range — *County — Subdivision

5. William Koons — 7154 — (352) 435-6170 — info@independentdrillinginc.com
*Water Well Contractor — License Number — *Telephone Number — E-mail Address

6. 110 SATELLITE COURT — LEEBURG — FL — 34748
*Water Well Contractor's Address — City — State — ZIP

7. *Type of Work: X Construction ___ Repair ___ Modification ___ Abandonment ____________ (Reason for Repair, Modification, or Abandonment)

8. *Number of Proposed Wells 3

9. *Specify Intended Use(s) of Well(s):

___ Domestic ___ Landscape Irrigation ___ Agricultural Irrigation ___ Site Investigation
___ Bottled Water Supply ___ Recreation Area Irrigation ___ Livestock X Monitoring
___ Nursery Irrigation ___ Test
___ Public Water Supply (Limited Use/DOH) ___ Commercial/Industrial ___ Earth-Coupled Geothermal
___ Public Water Supply (Community or Non-Community/DEP) ___ Golf Course Irrigation ___ HVAC Supply
___ Class I Injection ___ HVAC Return
Class V Injection: ___ Recharge ___ Commercial/Industrial Disposal ___ Aquifer Storage and Recovery ___ Drainage
Remediation: ___ Recovery ___ Air Sparge ___ Other (Describe) ____________
___ Other (Describe) ____________ Note: Not all types of wells are permitted by a given permitting authority.

Date Stamp
Received:
Official Use Only

10. *Distance from Septic System if ≤200 ft. ______ 11. Facility Description ____________ *12. Estimated Start Date 04/20/2012

13. *Estimated Well Depth 45 ft. Estimated Casing Depth 30.0 ft. *Primary Casing Diameter 2 in. Open Hole: From ___ To ___ ft.

14. Estimated Screen Interval: From 35.0 To 45.0 ft.

15. *Primary Casing Material: ___ Black Steel ___ Galvanized X PVC ___ Stainless Steel
___ Not Cased ___ Other: ____________

16. Secondary Casing: ___ Telescope Casing ___ Liner ___ Surface Casing Diameter ______ in.

17. Secondary Casing Material: ___ Black Steel ___ Galvanized ___ PVC ___ Stainless Steel ___ Other ______

18. *Method of Construction, Repair, or Abandonment: X Auger ___ Cable Tool ___ Jetted ___ Rotary ___ Sonic
___ Combination (Two or More Methods) ___ Hand Driven (Well Point, Sand Point) ___ Hydraulic Point (Direct Push)
___ Horizontal Drilling ___ Plugged by Approved Method ___ Other (Describe) ______

19. *Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
From 0.0 To 28.0 Seal Material (___ Bentonite X Neat Cement ___ Other ______)
From ___ To ___ Seal Material (___ Bentonite ___ Neat Cement ___ Other ______)
From ___ To ___ Seal Material (___ Bentonite ___ Neat Cement ___ Other ______)
From ___ To ___ Seal Material (___ Bentonite ___ Neat Cement ___ Other ______)

20. Indicate total number of existing wells on site 1 List number of existing unused wells on site 0

21. *Is this well or any existing well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application? ___ Yes X No If yes, complete the following: CUP/WUP No. ______ District Well ID No. ______

22. Latitude 28 44 19.23 Longitude 82 05 24.02

23. Data Obtained From: ___ GPS X Map ___ Survey Datum: ___ NAD 27 X NAD 83 ___ WGS 84

[illegible]

[illegible]

Digitally Signed — 7154 — Digitally Signed — ______
*Signature of Contractor — License No. — *Signature of Owner or Agent — *Date

DO NOT WRITE BELOW THIS LINE - FOR OFFICIAL USE ONLY

Approval Granted By ______ Issue Date ______ Expiration Date ______ Hydrologist Approval ______

Fee Received $ 50.00 Receipt No. 8089950 Check No. ______

THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, REPAIR, MODIFICATION, OR ABANDONMENT ACTIVITIES.

FORM LEG-R.040.01 (6/10) Rule 40D-3.101 (1), F.A.C. EFFECTIVE DATE: 9/12/2010 This permit is valid for 90 days from the date of issue.

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT #: 820673 CUP/WUP#: _____ DID#: _____
Indicate the number of wells drilled/abandoned for this report: 3
Indicate the number of wells permitted but not drilled/abandoned that are being cancelled: _____

WATER WELL CONTRACTOR'S SIGNATURE Nilan Kane License # 7154
I certify that the information provided in this report is accurate and true.

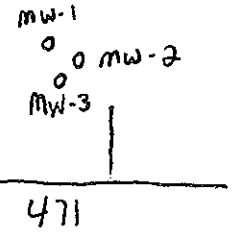
Grout	No. of Bags	From (ft.)	To (ft.)
Neat Cement:	4	0	28
Bentonite:			
(Other)			

WELL LOCATION: County Sumter
_____ 1/4 of _____ 1/4 of Section 22, Township 20, Range 22
Latitude: 28 44 19.23, Longitude: 82 05 24.02

DATE STAMP

Official Use Only

Sketch of well location on property



Give distances from septic tank and house, or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED
Iron: ____ppm Sulfate: ____ppm
Chlorides: ____ ppm TDS ____ mg/l
Conductivity _____ umhos/cm
[ ] Lab Test [ ] Field Test Kit

Pump Type
[ ] Centrifugal [ ] Jet [ ] Submersible [ ] Turbine
Horsepower: _____ Capacity: _____ GPM: _____
Pump Depth: _____ft. Intake Depth: _____ft.

FORM LEG-R.005.00(10/05)

OWNER'S NAME: Sumter County Board of County
COMPLETION DATE: 3-20-12 Florida Unique I.D.: _____
Parcel # (Pin): _____
WELL USE:
[ ] Public Supply [ ] Irrigation [ ] Domestic [✓] Monitor
[ ] Injection [ ] Other

DRILL METHOD:
[ ] Rotary [ ] Cable Tool [ ] Combination
[ ] Jet [✓] Auger [ ] Other _____

Measured Static Water Level: _____ Measured Pumping Water Level: _____
After ____Hours at ____GPM. Measuring Pt. (Describe): _____
Which is ____ft. [ ] above [ ] below land surface
Casing: [ ] Black Steel [ ] Galvanized [ ] PVC [ ] Other: _____

[ ] Open Hole
[✓] Screen

Casing Diameter and Depth (ft.)

Depth (feet) From | To

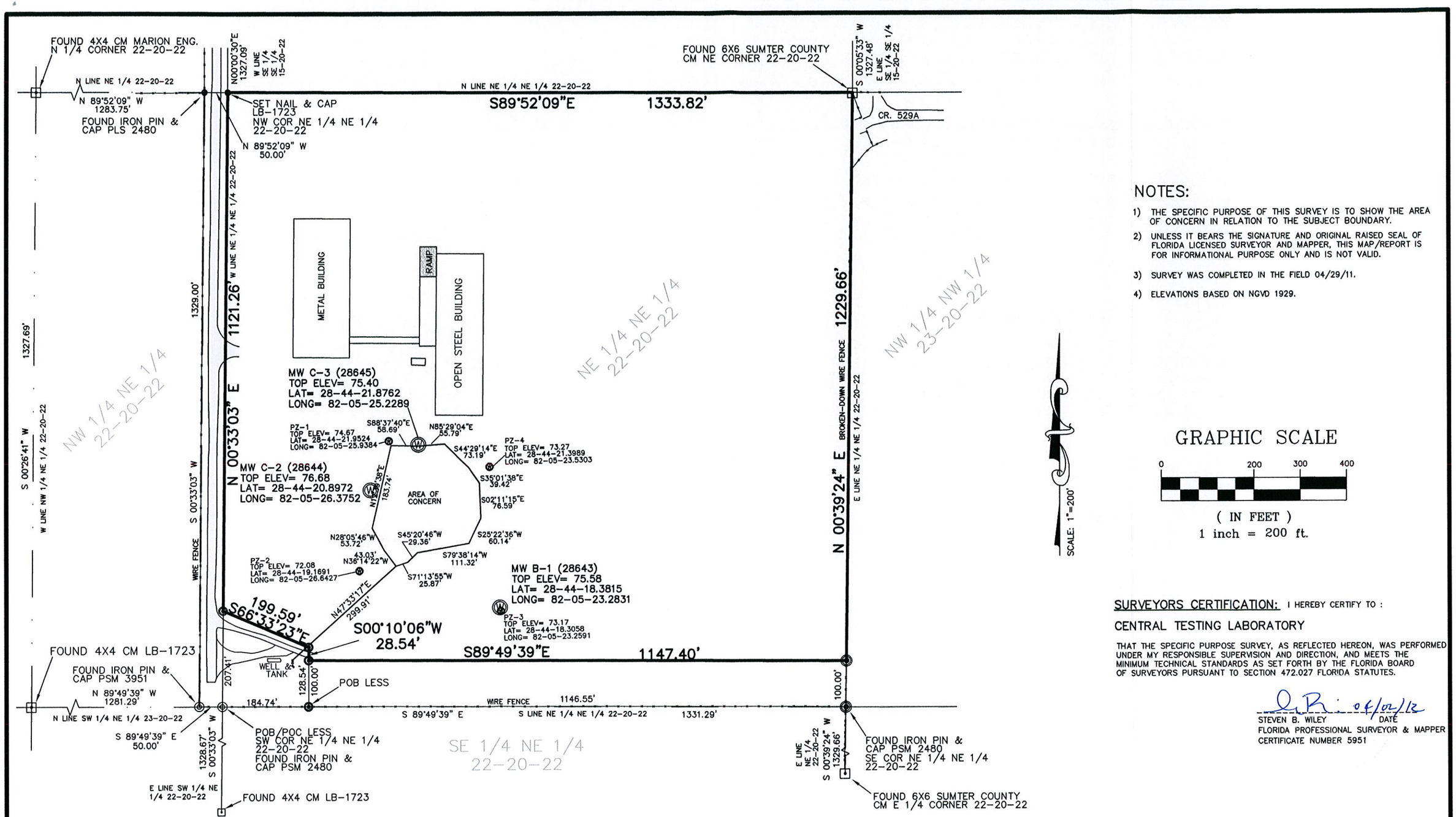
DRILL CUTTINGS LOG
Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.
Color | Grain Size | Type of Material

Casing Diameter and Depth (ft.)	From	To	DRILL CUTTINGS LOG (Color | Grain Size | Type of Material)
Diameter: 2"	0'	23'	Brown Fine Sand
From: 0	23'	28'	Lt Gray Sandy Clay
To: 45	28	35	Brow Clayey F/S
Diameter: _____	35	45	L/R
From: _____			
To: _____			
Liner [ ] or Casing [ ] Diameter: _____ From: _____ To: _____			

Driller's Name (print or type): Jonathan Wilkerson

APPENDIX III

COPY OF SURVEY



SCALE: 1"=200'

GRAPHIC SCALE

0 200 300 400

(IN FEET)
1 inch = 200 ft.

NOTES:

1) THE SPECIFIC PURPOSE OF THIS SURVEY IS TO SHOW THE AREA OF CONCERN IN RELATION TO THE SUBJECT BOUNDARY.
2) UNLESS IT BEARS THE SIGNATURE AND ORIGINAL RAISED SEAL OF FLORIDA LICENSED SURVEYOR AND MAPPER, THIS MAP/REPORT IS FOR INFORMATIONAL PURPOSE ONLY AND IS NOT VALID.
3) SURVEY WAS COMPLETED IN THE FIELD 04/29/11.
4) ELEVATIONS BASED ON NGVD 1929.

SURVEYORS CERTIFICATION: I HEREBY CERTIFY TO :

CENTRAL TESTING LABORATORY

THAT THE SPECIFIC PURPOSE SURVEY, AS REFLECTED HEREON, WAS PERFORMED UNDER MY RESPONSIBLE SUPERVISION AND DIRECTION, AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF SURVEYORS PURSUANT TO SECTION 472.027 FLORIDA STATUTES.

04/02/12

STEVEN B. WILEY — DATE
FLORIDA PROFESSIONAL SURVEYOR & MAPPER
CERTIFICATE NUMBER 5951

SPECIFIC PURPOSE SURVEY

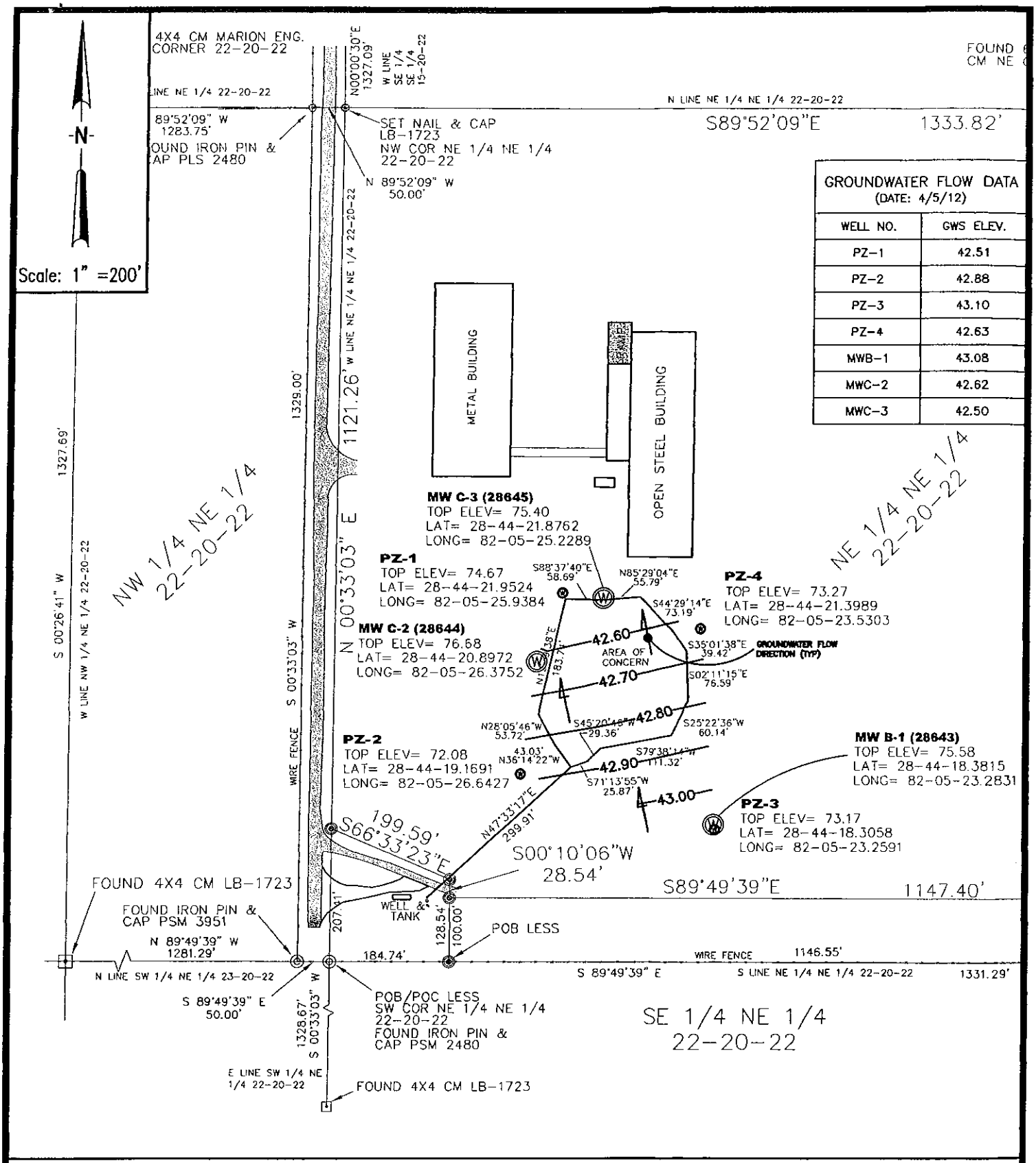
DRAWN BY:	SBW	DATE:	05/03/2011
CHECKED BY:	SBW	DRAWING NO.:	3
JOB NO.:	11005	SHEET	1 OF 1

REVISIONS: ADD MONITORING WELLS LOCATION AND INFORMATION 04/02/12
REVISIONS: ADD PIEZOMETER LOCATION AND INFORMATION 10/11/11

WILEY SURVEYING AND MAPPING INC.
11929 GARRISON LANE
UMATILLA, FLORIDA 32784
PHONE: (352) 669-6046
CELL: (352) 267-2364
WILEYSUEVEYING@GMAIL.COM
PROFESSIONAL SURVEYORS AND MAPPERS

APPENDIX IV

TABLE OF GROUNDWATER ELEVATIONS
&
GROUDWATER FLOW MAPS



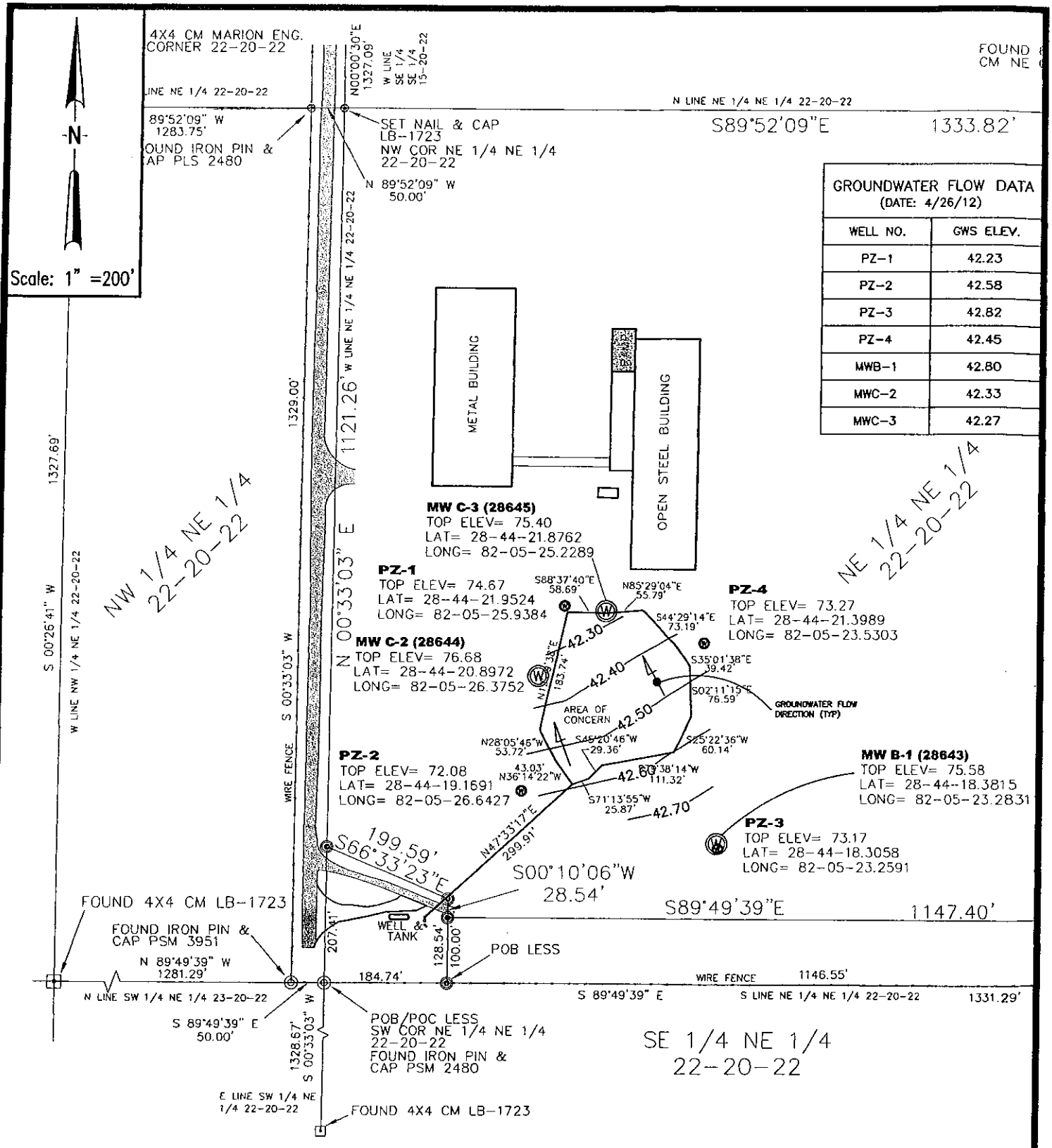
SOURCE: Wiley Surveying and Mapping Base Map w/Monitoring Wells

Central Testing Laboratory, Inc.
130 Satellite Court
Leesburg, Florida 34748
(352) 787-1268
Cert. of Auth. 2407

Sumter County Groundwater Monitoring Plan

Proj. No.:	Date:
1184094.200	May 23, 2012
Drawn By:	Checked By:
B. Ginn	B. Ginn

Figure 5
Groundwater Flow Map - 4-5-12



SOURCE: Wiley Surveying and Mapping Base Map w/Monitoring Wells

Central Testing Laboratory, Inc. 130 Satellite Court Leesburg, Florida 34748 (352) 787-1268 Cert. of Auth. 2407	**Sumter County Groundwater Monitoring Plan**	Proj. No.: 1184094.200	Date: May 23, 2012
		Drawn By: B. Ginn	Checked By: B. Ginn
		Figure 5 **Groundwater Flow Map - 4-26-12**	

J:\CTL Folder\Leesburg\Sumter County\Landfill GWM Plan\Report Figures.dwg 5/23/2012 10:59:10 AM EDT

APPENDIX V

GROUNDWATER SAMPLING LOGS

ADVANCED ENVIRONMENTAL LABORATORIES, INC.
GROUNDWATER SAMPLING LOG
4965 SW 41ST BLVD. GAINESVILLE, FL 32608

SITE NAME: Central Testing	SITE LOCATION: Sumter Landfill
WELL NO: MWB-1	SAMPLE ID:
DATE: 4/26/12	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH feet to feet	STATIC DEPTH TO WATER (feet): 32.78	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (40.00 feet – 32.78 feet) X .16 gallons/foot = 1.15 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 35	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 35	PURGING INITIATED AT: 9:14	PURGING ENDED AT: 9:39	TOTAL VOLUME PURGED (gallons): 4.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOL. Purged (Gallons)	Purge Rate (GPM)	pH (standard units)	Temp. (C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	Turbidity (NTU)	Depth to water (feet)	COLOR (describe)	ODOR (describe)
9:21	1.25	—	.178	7.07	23.4	959	2.20	229	32.92	Cloudy	No
9:24	.5	1.75	.166	7.04	23.4	957	2.16	138	32.92	Cloudy	No
9:27	.5	2.25	.166	7.02	23.5	956	2.20	78.5	32.90	Cloudy	No
9:31	.5	2.75	.125	7.01	23.5	953	1.95	57.6	32.90	No	No
9:35	.5	3.25	.125	6.99	23.7	954	2.32	33.1	33.90	No	No
9:39	.5	4.75	.125	6.98	23.7	959	2.43	43.5	33.90	No	No

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; ½" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Frankie Allen / AEL	Sampler's Signature: Frankie Allen	SAMPLING INITIATED AT: 9:40	SAMPLING ENDED AT: 10:04
PUMP OR TUBING DEPTH IN WELL (feet): 35	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ___µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y Dedicated	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	Sample Pump Flow Rate (mls/min)
	# CONTAINERS	MATERIAL CODE	VOLUME	Preservative Used	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
					See Chain				

REMARKS:
Depth to water for piezometers , PZ-1 32.44 , PZ-2 29.50 , PZ-3 30.35 , PZ-4 30.82

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; O = Other (Specify)

ADVANCED ENVIRONMENTAL LABORATORIES, INC.
GROUNDWATER SAMPLING LOG
4965 SW 41ST BLVD. GAINESVILLE, FL 32608

SITE NAME: Central Testing	SITE LOCATION: Sumter Landfill	
WELL NO: MWC-2	SAMPLE ID:	DATE: 4/26/12

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 34.35	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (40.00 feet - 34.35 feet) X .16 gallons/foot = .90 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 36	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 36	PURGING INITIATED AT: 11:20	PURGING ENDED AT: 11:56	TOTAL VOLUME PURGED (gallons): 3.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOL Purged (Gallons)	Purge Rate (GPM)	pH (standard units)	Temp. (C)	COND. (circle units) umhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	Turbidity (NTU)	Depth to water (feet)	COLOR (describe)	ODOR (describe)
11:26	1	—	.166	6.86	26.2	1125	1.00	1082	34.50	Cloudy	No
11:32	.5	1.5	.083	6.77	27.2	1242	.55	377	34.46	Cloudy	No
11:38	.5	2	.083	6.74	27.5	1260	.52	182	34.48	Cloudy	No
11:44	.5	2.5	.083	6.72	27.8	1261	.39	130	34.46	Cloudy	No
11:50	.5	3	.083	6.71	27.8	1269	.51	86.3	34.44	No	No
11:56	.5	3.5	.083	6.70	28.0	1273	.47	72.3	34.47	No	No

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; ½" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Frankie Allen / AEL	Sampler's Signature: Frankie Allen	SAMPLING INITIATED AT: 11:58	SAMPLING ENDED AT: 12:13
PUMP OR TUBING DEPTH IN WELL (feet): 36	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y Dedicated DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	Sample Pump Flow Rate (ml/min)
	# CONTAINERS	MATERIAL CODE	VOLUME	Preservative Used	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
					See Chain				

REMARKS:

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; O = Other (Specify)

ADVANCED ENVIRONMENTAL LABORATORIES, INC.
GROUNDWATER SAMPLING LOG
4965 SW 41ST BLVD. GAINESVILLE, FL 32608

SITE NAME: Central Testing	SITE LOCATION: Sumter Landfill
WELL NO: MWC-3	SAMPLE ID:
DATE: 4/26/12	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 33.13	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (40.00 feet - 33.13 feet) x .16 gallons/foot = 1.09 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons = (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 35	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 35	PURGING INITIATED AT: 10:14	PURGING ENDED AT: 10:34	TOTAL VOLUME PURGED (gallons): 3.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOL. Purged (Gallons)	Purge Rate (GPM)	pH (standard units)	Temp. (C)	COND. (circle units) umhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	Turbidity (NTU)	Depth to water (feet)	COLOR (describe)	ODOR (describe)
10:18	1.25	—	.312	6.89	25.4	1340	1.00	348	33.20	Cloudy	No
10:22	.5	1.75	.166	6.80	25.6	1407	.74	126	33.20	Cloudy	No
10:25	.5	2.25	.166	6.73	25.8	1465	.56	36.7	33.20	No	No
10:28	.5	2.75	.166	6.71	25.9	1470	.54	26.3	33.20	No	No
10:31	.5	3.25	.166	6.70	26.0	1468	.51	21.1	33.20	No	No
10:34	.5	3.75	.166	6.69	26.0	1466	.46	18.1	33.20	No	No

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.66; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; ½" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Frankie Allen / AEL	Sampler's Signature: Frankie Allen	SAMPLING INITIATED AT: 10:36	SAMPLING ENDED AT: 10:54

PUMP OR TUBING DEPTH IN WELL (feet): 35	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ___µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y Dedicated DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	Sample Pump Flow Rate (ml/min.)
	# CONTAINERS	MATERIAL CODE	VOLUME	Preservative Used	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
					See Chain				

REMARKS:

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; O = Other (Specify)

Advanced Environmental Laboratories, Inc.

Altamonte Springs: 529 S. Northlake Blvd., Ste. 1016 • Altamonte Springs, FL 32701 • 407.937.1594 • Fax 407.937.1597
Gainesville: 4955 SW 41st Blvd. • Gainesville, FL 32608 • 352.377.2349 • Fax 352.385.0639
Jacksonville: 6601 Southpoint Pkwy. • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354
Miramar: 10200 USA Today Way, Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2281
Tallahassee: 1288 Cedar Center Drive, Tallahassee, FL 32301 • 850.219.6274 • Fax 850.219.6275
Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

Client Name:	Central Testing Laboratory
Address:	
Phone:	
FAX:	
Contact:	Ted Sprouse
Sampled By:	Frankie Allen
Turnaround Time:	☑ STANDARD ☐ RUSH
Page	1 of 1
Project Name:	Initial Monitoring
P.O. Number or Project Number:	
Project Location:	Sumter County Landfill
REMARKS/SPECIAL INSTRUCTIONS:	T & S

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	40 MGV VOC	40 MGV EDB/DBCP	250 MAG CN	250 MLP NH4	500 MLP Cl,Tds,No3	500 MLP Sulfide	1 LP Metals	1 LAG PAH	1 LAG SVOC,OP Pest	1 LAG Herbicides,OC Pest/PCB	LABORATORY I.D. NUMBER
							BOTTLE SIZE & TYPE	HCL/I	THIO	Naoh	S	ICE	NaohZ	N	ICE	ICE	ICE	
	MWB-1	G	4/26/12	10:04	GW	16		X	X	X	X	X	X	X	X	X	X	061
	MWC-2	G	4/26/12	12:13	GW	16		X	X	X	X	X	X	X	X	X	X	062
	MWC-3	G	4/26/12	10:54	GW	16		X	X	X	X	X	X	X	X	X	X	063

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge

Preservation Code: I = Ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice: ☑ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☑ Where required, pH checked Temperature when received: 4.5 (in degrees celcius)

Form revised: 06/15/2010

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A D: LT-1 LT-2 T: 10A A: 5A M: 1A

	Relinquished by	Date	Time	Received by	Date	Time
1	[signature]	4-26-12	1440	[signature]	4/26	14:40
2						
3						
4						

FOR DRINKING WATER USE (When PWS information not otherwise supplied)

PWS ID:

Contact Person: Phone:

Supplies of Water:

Site Address:

APPENDIX VI

RESULTS OF LABORATORY TESTING

Advanced Environmental Laboratories, Inc.
4965 SW 41st Blvd
Gainesville, FL 32608
Phone: (352) 377-2349
Fax: (352) 395-6639

May 14, 2012

Theodore J. Strouse
Central Testing Laboratory, Inc.
130 Satellite Court
Leesburg, FL 34748

RE: Workorder: G1202215 INITIAL MONITORING

Dear Theodore Strouse:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, April 26, 2012. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Karen Daniels
KDaniels@AELLab.com

Enclosures

Advanced Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc.
4965 SW 41st Blvd
Gainesville, FL 32608
Phone: (352) 377-2349
Fax: (352) 395-6639

SAMPLE SUMMARY

Workorder: G1202215 INITIAL MONITORING

Lab ID	Sample ID	Matrix	Date Collected	Date Received
G1202215001	MWB-1	Water	4/26/2012 10:04	4/26/2012 14:40
G1202215002	MWC-2	Water	4/26/2012 12:13	4/26/2012 14:40
G1202215003	MWC-3	Water	4/26/2012 10:54	4/26/2012 14:40

Advanced Environmental Laboratories, Inc.
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Advanced Environmental Laboratories, Inc.

ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215001
Sample ID: MWB-1

Date Received: 04/26/12 14:40 Matrix: Water
Date Collected: 04/26/12 10:04

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance	Analytical Method: DISRES							
Conductance	959	umhos/cm		1			5/14/2012 15:36	
Dissolved Oxygen	2.43	mg/L		1			5/14/2012 15:36	
Groundwater Elevation	32.78	feet		1			5/14/2012 15:36	
Temperature	23.7	°C		1			5/14/2012 15:36	
Turbidity	43.5	NTU		1			5/14/2012 15:36	
pH	6.98	pH unit		1			5/14/2012 15:36	
METALS								
Analysis Desc: SW846 6010B	Preparation Method: SW-846 3010A							
Analysis,Water	Analytical Method: SW-846 6010							
Barium	22	ug/L		1	2.0	0.28	5/1/2012 14:26	J
Beryllium	0.29	ug/L	I	1	0.30	0.13	5/1/2012 14:26	J
Iron	370	ug/L		1	200	38	5/1/2012 14:26	J
Sodium	54	mg/L	V	1	0.20	0.026	5/1/2012 14:26	J
Tin	2.4	ug/L	U	1	20	2.4	5/1/2012 14:26	J
Vanadium	27	ug/L		1	1.5	0.18	5/1/2012 14:26	J
Zinc	6.7	ug/L	I	1	10	2.0	5/1/2012 14:26	J
Analysis Desc: SW846 6020B	Preparation Method: SW-846 3010A							
Analysis,Total	Analytical Method: SW-846 6020							
Antimony	0.25	ug/L	I,V	1	0.60	0.073	5/7/2012 22:54	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	5/3/2012 22:58	J
Cadmium	2.0	ug/L		1	0.50	0.14	5/3/2012 22:58	J
Chromium	15	ug/L		1	2.0	1.0	5/3/2012 22:58	J
Cobalt	3.5	ug/L		1	0.50	0.053	5/3/2012 22:58	J
Copper	4.0	ug/L		1	0.70	0.10	5/3/2012 22:58	J
Lead	1.8	ug/L		1	0.70	0.076	5/7/2012 22:54	J
Nickel	4.0	ug/L		1	1.0	0.083	5/7/2012 22:54	J
Selenium	2.2	ug/L	U	1	5.0	2.2	5/3/2012 22:58	J
Silver	0.074	ug/L	I	1	0.30	0.059	5/3/2012 22:58	J
Thallium	0.26	ug/L		1	0.20	0.067	5/3/2012 22:58	J
Analysis Desc: SW846 7470A	Preparation Method: SW-846 7470A							
Analysis,Water	Analytical Method: SW-846 7470A							
Mercury	0.000055	mg/L	I	1	0.00010	0.000014	5/10/2012 11:39	J

CERTIFICATE OF ANALYSIS

Advanced Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc.
4965 SW 41st Blvd
Gainesville, FL 32608
Phone: (352) 377-2349
Fax: (352) 395-6639

ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215001 Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWB-1 Date Collected: 04/26/12 10:04

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
SEMIVOLATILES								
Analysis Desc: 8141A Org Phos Pesticide Analysis, Water	Preparation Method: SW-846 3510C Analytical Method: EPA 8141							
Dimethoate	0.054	ug/L	U	1	0.20	0.054	5/9/2012 18:28	J
Disulfoton	0.041	ug/L	U	1	0.20	0.041	5/9/2012 18:28	J
Famphur	0.11	ug/L	U	1	0.20	0.11	5/9/2012 18:28	J
Methyl Parathion	0.054	ug/L	U	1	0.20	0.054	5/9/2012 18:28	J
Parathion (Ethyl)	0.064	ug/L	U	1	0.20	0.064	5/9/2012 18:28	J
Phorate	0.044	ug/L	U	1	0.20	0.044	5/9/2012 18:28	J
Tributylphosphate (S)	106	%		1	70-130		5/9/2012 18:28	J
Analysis Desc: 8151A Herbicides Analysis, Water	Preparation Method: 8151 Analytical Method: EPA 8151							
2,4,5-T	0.33	ug/L	U	1	2.0	0.33	5/8/2012 00:47	J
2,4-D	1.3	ug/L	U	1	6.0	1.3	5/8/2012 00:47	J
Dinoseb	0.51	ug/L	U	1	2.0	0.51	5/8/2012 00:47	J
Pentachlorophenol	0.29	ug/L	U	1	1.0	0.29	5/8/2012 00:47	J
Silvex (2,4,5-TP)	0.30	ug/L	U	1	2.0	0.30	5/8/2012 00:47	J
2,4-Dichlorophenylacetic (S)	90	%		1	51-122		5/8/2012 00:47	J
Analysis Desc: SW 8011 Analysis, Water	Preparation Method: SW-846 8011 Analytical Method: SW-846 8011							
1,2-Dibromo-3-Chloropropane	0.0060	ug/L	U	1	0.020	0.0060	5/3/2012 17:36	J
Ethylene Dibromide (EDB)	0.0062	ug/L	U	1	0.020	0.0062	5/3/2012 17:36	J
Tetrachloro-m-xylene (S)	145	%		1	40.3-190		5/3/2012 17:36	
Analysis Desc: 8081A Pesticide Analysis, Water	Preparation Method: SW-846 3510C Analytical Method: SW-846 8081A							
4,4`-DDD	0.0016	ug/L	U	1	0.020	0.0016	5/7/2012 16:36	J
4,4`-DDE	0.0037	ug/L	U	1	0.020	0.0037	5/7/2012 16:36	J
4,4`-DDT	0.0021	ug/L	U	1	0.020	0.0021	5/7/2012 16:36	J
Aldrin	0.0019	ug/L	U	1	0.020	0.0019	5/7/2012 16:36	J
Chlordane (technical)	0.047	ug/L	U	1	0.20	0.047	5/7/2012 16:36	J
Dieldrin	0.0011	ug/L	U	1	0.020	0.0011	5/7/2012 16:36	J
Endosulfan I	0.0031	ug/L	U	1	0.020	0.0031	5/7/2012 16:36	J
Endosulfan II	0.0026	ug/L	U	1	0.020	0.0026	5/7/2012 16:36	J
Endosulfan Sulfate	0.0032	ug/L	U	1	0.020	0.0032	5/7/2012 16:36	J
Endrin	0.0017	ug/L	U	1	0.020	0.0017	5/7/2012 16:36	J

Advanced Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc.
4965 SW 41st Blvd
Gainesville, FL 32608
Phone: (352) 377-2349
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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215001 Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWB-1 Date Collected: 04/26/12 10:04

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Endrin Aldehyde	0.0025	ug/L	U	1	0.020	0.0025	5/7/2012 16:36	J
Heptachlor	0.0035	ug/L	U	1	0.020	0.0035	5/7/2012 16:36	J
Heptachlor Epoxide	0.0017	ug/L	U	1	0.020	0.0017	5/7/2012 16:36	J
Methoxychlor	0.0058	ug/L	U	1	0.020	0.0058	5/7/2012 16:36	J
Toxaphene	0.11	ug/L	U	1	0.20	0.11	5/7/2012 16:36	J
alpha-BHC	0.0030	ug/L	U	1	0.020	0.0030	5/7/2012 16:36	J
beta-BHC	0.0019	ug/L	U	1	0.020	0.0019	5/7/2012 16:36	J
delta-BHC	0.00086	ug/L	U	1	0.020	0.00086	5/7/2012 16:36	J
gamma-BHC (Lindane)	0.0018	ug/L	U	1	0.020	0.0018	5/7/2012 16:36	J
Tetrachloro-m-xylene (S)	87	%		1	26-133		5/7/2012 16:36	
Decachlorobiphenyl (S)	61	%		1	26-157		5/7/2012 16:36	
Analysis Desc: 8082A PCB Analysis, Water	Preparation Method: SW-846 3510C Analytical Method: SW-846 8082A							
Aroclor 1016 (PCB-1016)	0.073	ug/L	U	1	0.20	0.073	5/7/2012 16:36	J
Aroclor 1221 (PCB-1221)	0.11	ug/L	U	1	0.20	0.11	5/7/2012 16:36	J
Aroclor 1232 (PCB-1232)	0.097	ug/L	U	1	0.20	0.097	5/7/2012 16:36	J
Aroclor 1242 (PCB-1242)	0.096	ug/L	U	1	0.20	0.096	5/7/2012 16:36	J
Aroclor 1248 (PCB-1248)	0.067	ug/L	U	1	0.20	0.067	5/7/2012 16:36	J
Aroclor 1254 (PCB-1254)	0.051	ug/L	U	1	0.20	0.051	5/7/2012 16:36	J
Aroclor 1260 (PCB-1260)	0.052	ug/L	U	1	0.20	0.052	5/7/2012 16:36	J
Tetrachloro-m-xylene (S)	87	%		1	32-124		5/7/2012 16:36	
Decachlorobiphenyl (S)	61	%		1	29-144		5/7/2012 16:36	
Analysis Desc: 8270C Analysis, Water	Preparation Method: SW-846 3510C Analytical Method: SW-846 8270C							
1,2,4,5-Tetrachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
1,2,4-Trichlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
1,2-Dichlorobenzene	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:08	J
1,2-Diphenylhydrazine	3.1	ug/L	U	1	5.0	3.1	5/9/2012 03:08	J
1,3,5-Trinitrobenzene	1.0	ug/L	U	1	10	1.0	5/9/2012 03:08	J
1,3-Dichlorobenzene	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J
1,3-Dinitrobenzene	1.8	ug/L	U	1	5.0	1.8	5/9/2012 03:08	J
1,4-Dichlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
1,4-Naphthoquinone	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J
1,4-Phenylenediamine	8.2	ug/L	U	1	80	8.2	5/9/2012 03:08	J
1-Naphthylamine	1.7	ug/L	U	1	5.0	1.7	5/9/2012 03:08	J
2,3,4,6-Tetrachlorophenol	0.62	ug/L	U	1	5.0	0.62	5/9/2012 03:08	J
2,4,5-Trichlorophenol	1.7	ug/L	U	1	5.0	1.7	5/9/2012 03:08	J
2,4,6-Trichlorophenol	0.61	ug/L	U	1	5.0	0.61	5/9/2012 03:08	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215001 Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWB-1 Date Collected: 04/26/12 10:04

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
2,4-Dichlorophenol	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J
2,4-Dimethylphenol	0.82	ug/L	U	1	5.0	0.82	5/9/2012 03:08	J
2,4-Dinitrophenol	4.4	ug/L	U	1	10	4.4	5/9/2012 03:08	J
2,4-Dinitrotoluene (2,4-DNT)	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:08	J
2,6-Dichlorophenol	0.64	ug/L	U	1	5.0	0.64	5/9/2012 03:08	J
2,6-Dinitrotoluene (2,6-DNT)	1.7	ug/L	U	1	5.0	1.7	5/9/2012 03:08	J
2-Acetylaminofluorene	0.95	ug/L	U	1	5.0	0.95	5/9/2012 03:08	J
2-Chloronaphthalene	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:08	J
2-Chlorophenol	0.72	ug/L	U	1	5.0	0.72	5/9/2012 03:08	J
2-Methyl-4,6-dinitrophenol	2.0	ug/L	U	1	10	2.0	5/9/2012 03:08	J
2-Methylphenol (o-Cresol)	0.56	ug/L	U	1	5.0	0.56	5/9/2012 03:08	J
2-Naphthylamine	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:08	J
2-Nitroaniline	1.8	ug/L	U	1	5.0	1.8	5/9/2012 03:08	J
2-Nitrophenol	0.87	ug/L	U	1	5.0	0.87	5/9/2012 03:08	J
2-Picoline (2-Methylpyridine)	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:08	J
3+4-Methylphenol(mp-Cresol)	1.5	ug/L	U	1	10	1.5	5/9/2012 03:08	J
3,3'-Dimethylbenzidine	1.0	ug/L	U	1	10	1.0	5/9/2012 03:08	J
3,3`-Dichlorobenzidine	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
3-Methylcholanthrene	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:08	J
3-Nitroaniline	2.0	ug/L	U	1	5.0	2.0	5/9/2012 03:08	J
4-Aminobiphenyl	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J
4-Bromophenyl Phenyl Ether	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J
4-Chloro-3-methylphenol	0.68	ug/L	U	1	5.0	0.68	5/9/2012 03:08	J
4-Chloroaniline	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:08	J
4-Chlorophenyl Phenyl Ether	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:08	J
4-Dimethyl aminoazobenzene	1.6	ug/L	U	1	10	1.6	5/9/2012 03:08	J
4-Nitroaniline	2.6	ug/L	U	1	5.0	2.6	5/9/2012 03:08	J
4-Nitrophenol	1.6	ug/L	U	1	10	1.6	5/9/2012 03:08	J
5-Nitro-o-toluidine	1.0	ug/L	U	1	10	1.0	5/9/2012 03:08	J
7,12-Dimethylbenz[a]anthracene	1.8	ug/L	U	1	5.0	1.8	5/9/2012 03:08	J
Acetophenone	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J
Aniline	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:08	J
Benzidine	0.90	ug/L	U	1	5.0	0.90	5/9/2012 03:08	J
Benzoic Acid	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:08	J
Benzyl Alcohol	0.66	ug/L	U	1	5.0	0.66	5/9/2012 03:08	J
Butyl benzyl phthalate	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:08	J
Chlorobenzilate	1.4	ug/L	U	1	10	1.4	5/9/2012 03:08	J
Di-n-Butyl Phthalate	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:08	J
Di-n-octyl Phthalate	2.0	ug/L	U	1	5.0	2.0	5/9/2012 03:08	J
Diallate	0.75	ug/L	U	1	5.0	0.75	5/9/2012 03:08	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215001 Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWB-1 Date Collected: 04/26/12 10:04

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibenzofuran	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
Diethyl phthalate	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:08	J
Dimethyl phthalate	2.3	ug/L	U	1	5.0	2.3	5/9/2012 03:08	J
Diphenylamine	2.6	ug/L	U	1	10	2.6	5/9/2012 03:08	J
Ethyl methanesulfonate	0.97	ug/L	U	1	5.0	0.97	5/9/2012 03:08	J
Hexachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
Hexachlorobutadiene	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J
Hexachlorocyclopentadiene	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:08	J
Hexachloroethane	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:08	J
Hexachloropropene	1.1	ug/L	U	1	10	1.1	5/9/2012 03:08	J
Isodrin	1.4	ug/L	U	1	10	1.4	5/9/2012 03:08	J
Isophorone	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:08	J
Isosafrole	1.5	ug/L	U	1	10	1.5	5/9/2012 03:08	J
Kepone	74	ug/L	U	1	80	74	5/9/2012 03:08	J
Methapyrilene	55	ug/L	U	1	80	55	5/9/2012 03:08	J
Methyl Methanesulfonate	0.68	ug/L	U	1	5.0	0.68	5/9/2012 03:08	J
N-Nitrosodi-n-butylamine	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J
N-Nitrosodi-n-propylamine	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:08	J
N-Nitrosodiethylamine	1.7	ug/L	U	1	5.0	1.7	5/9/2012 03:08	J
N-Nitrosodimethylamine	0.66	ug/L	U	1	5.0	0.66	5/9/2012 03:08	J
N-Nitrosodiphenylamine	2.6	ug/L	U	1	10	2.6	5/9/2012 03:08	J
N-Nitrosomethylethylamine	2.1	ug/L	U	1	5.0	2.1	5/9/2012 03:08	J
N-Nitrosopiperidine	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:08	J
N-Nitrosopyrrolidine	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:08	J
Nitrobenzene	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:08	J
Nitroquinoline-1-oxide	3.5	ug/L	U	1	10	3.5	5/9/2012 03:08	J
Pentachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
Pentachloronitrobenzene	2.0	ug/L	U	1	5.0	2.0	5/9/2012 03:08	J
Phenacetin	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:08	J
Phenol	0.60	ug/L	U	1	5.0	0.60	5/9/2012 03:08	J
Pronamide (Kerb)	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
Safrole	1.0	ug/L	U	1	10	1.0	5/9/2012 03:08	J
Thionazin (Zinophos)	0.58	ug/L	U	1	5.0	0.58	5/9/2012 03:08	J
a,a-Dimethylphenethylamine	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
bis(2-Chloroethoxy)methane	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:08	J
bis(2-Chloroethyl)Ether	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:08	J
bis(2-Chloroisopropyl) Ether	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:08	J
bis(2-Ethylhexyl) phthalate	1.9	ug/L	U	1	5.0	1.9	5/9/2012 03:08	J
o,o,o-Triethylphosphorothioate	1.2	ug/L	U	1	10	1.2	5/9/2012 03:08	J
o-Toluidine	1.3	ug/L	U	1	10	1.3	5/9/2012 03:08	J

CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215001 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWB-1 Date Collected: 04/26/12 10:04

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
2-Fluorophenol (S)	36	%		1	10-90		5/9/2012 03:08	
Phenol-d6 (S)	29	%		1	10-67		5/9/2012 03:08	
Nitrobenzene-d5 (S)	87	%		1	32-147		5/9/2012 03:08	
2-Fluorobiphenyl (S)	80	%		1	34-140		5/9/2012 03:08	
2,4,6-Tribromophenol (S)	44	%		1	19-190		5/9/2012 03:08	
p-Terphenyl-d14 (S)	79	%		1	54-138		5/9/2012 03:08	
Analysis Desc: 8270C-SIM Analysis, Water	Preparation Method: SW-846 3510C Analytical Method: SW-846 8270C (SIM)							
1-Methylnaphthalene	0.018	ug/L	U	1	0.20	0.018	5/1/2012 13:25	J
2-Methylnaphthalene	0.045	ug/L	U	1	0.20	0.045	5/1/2012 13:25	J
Acenaphthene	0.034	ug/L	U	1	0.20	0.034	5/1/2012 13:25	J
Acenaphthylene	0.030	ug/L	U	1	0.20	0.030	5/1/2012 13:25	J
Anthracene	0.028	ug/L	U	1	0.20	0.028	5/1/2012 13:25	J
Benzo[a]anthracene	0.026	ug/L	U	1	0.20	0.026	5/1/2012 13:25	J
Benzo[a]pyrene	0.024	ug/L	U	1	0.20	0.024	5/1/2012 13:25	J
Benzo[b]fluoranthene	0.040	ug/L	U	1	0.20	0.040	5/1/2012 13:25	J
Benzo[g,h,i]perylene	0.034	ug/L	U	1	0.20	0.034	5/1/2012 13:25	J
Benzo[k]fluoranthene	0.058	ug/L	U	1	0.20	0.058	5/1/2012 13:25	J
Chrysene	0.041	ug/L	U	1	0.20	0.041	5/1/2012 13:25	J
Dibenzo[a,h]anthracene	0.042	ug/L	U	1	0.20	0.042	5/1/2012 13:25	J
Fluoranthene	0.027	ug/L	U	1	0.20	0.027	5/1/2012 13:25	J
Fluorene	0.030	ug/L	U	1	0.20	0.030	5/1/2012 13:25	J
Indeno(1,2,3-cd)pyrene	0.048	ug/L	U	1	0.20	0.048	5/1/2012 13:25	J
Naphthalene	0.053	ug/L	U	1	0.20	0.053	5/1/2012 13:25	J
Phenanthrene	0.036	ug/L	U	1	0.20	0.036	5/1/2012 13:25	J
Pyrene	0.033	ug/L	U	1	0.20	0.033	5/1/2012 13:25	J
Decafluorobiphenyl (S)	95	%		1	21-122		5/1/2012 13:25	
VOLATILES								
Analysis Desc: 8260C Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	4/27/2012 15:40	J
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 15:40	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	4/27/2012 15:40	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	4/27/2012 15:40	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	4/27/2012 15:40	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	4/27/2012 15:40	J
1,1-Dichloropropene	0.24	ug/L	U	1	1.0	0.24	4/27/2012 15:40	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215001 Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWB-1 Date Collected: 04/26/12 10:04

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	4/27/2012 15:40	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	4/27/2012 15:40	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 15:40	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 15:40	J
1,3-Dichlorobenzene	0.31	ug/L	U	1	1.0	0.31	4/27/2012 15:40	J
1,3-Dichloropropane	0.31	ug/L	U	1	1.0	0.31	4/27/2012 15:40	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	4/27/2012 15:40	J
2,2-Dichloropropane	0.57	ug/L	U	1	5.0	0.57	4/27/2012 15:40	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	4/27/2012 15:40	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	4/27/2012 15:40	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	4/27/2012 15:40	J
Acetone	3.3	ug/L	U	1	5.0	3.3	4/27/2012 15:40	J
Acetonitrile	21	ug/L	U	1	50	21	4/27/2012 15:40	J
Acrolein (Propenal)	3.5	ug/L	U	1	5.0	3.5	4/27/2012 15:40	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	4/27/2012 15:40	J
Allyl Chloride(3-Chloropropene	2.1	ug/L	U	1	5.0	2.1	4/27/2012 15:40	J
Benzene	0.21	ug/L	U	1	1.0	0.21	4/27/2012 15:40	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	4/27/2012 15:40	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	4/27/2012 15:40	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	4/27/2012 15:40	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	4/27/2012 15:40	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	4/27/2012 15:40	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	4/27/2012 15:40	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	4/27/2012 15:40	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	4/27/2012 15:40	J
Chloroform	1.0	ug/L		1	1.0	0.26	4/27/2012 15:40	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 15:40	J
Chloroprene	2.0	ug/L	U	1	5.0	2.0	4/27/2012 15:40	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	4/27/2012 15:40	J
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	4/27/2012 15:40	J
Dichlorodifluoromethane	0.34	ug/L	U	1	1.0	0.34	4/27/2012 15:40	J
Ethyl Methacrylate	2.1	ug/L	U	1	5.0	2.1	4/27/2012 15:40	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	4/27/2012 15:40	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	4/27/2012 15:40	J
Isobutyl Alcohol	44	ug/L	U	1	100	44	4/27/2012 15:40	J
Methacrylonitrile	18	ug/L	U	1	50	18	4/27/2012 15:40	J
Methyl Methacrylate	1.8	ug/L	U	1	5.0	1.8	4/27/2012 15:40	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	4/27/2012 15:40	J
Propionitrile (Ethyl cyanide)	21	ug/L	U	1	50	21	4/27/2012 15:40	J
Styrene	0.21	ug/L	U	1	1.0	0.21	4/27/2012 15:40	J

CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215001 Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWB-1 Date Collected: 04/26/12 10:04

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Tetrachloroethylene (PCE)	0.59	ug/L	U,J4	1	1.0	0.59	4/27/2012 15:40	J
Toluene	2.2	ug/L		1	1.0	0.28	4/27/2012 15:40	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	4/27/2012 15:40	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	4/27/2012 15:40	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	4/27/2012 15:40	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	4/27/2012 15:40	J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	4/27/2012 15:40	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	4/27/2012 15:40	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	4/27/2012 15:40	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	4/27/2012 15:40	J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	4/27/2012 15:40	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	4/27/2012 15:40	J
1,2-Dichloroethane-d4 (S)	100	%		1	80-120		4/27/2012 15:40	
Toluene-d8 (S)	98	%		1	88-110		4/27/2012 15:40	
Bromofluorobenzene (S)	103	%		1	86-115		4/27/2012 15:40	
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Chloride	77	mg/L		1	0.50	0.032	4/27/2012 14:27	G
Nitrate	6.6	mg/L		1	0.050	0.011	4/27/2012 14:27	G
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	0.0080	mg/L	U	1	0.010	0.0080	5/3/2012 13:06	G
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540C							
Total Dissolved Solids	570	mg/L		1	10	10	5/1/2012 13:18	G
Analysis Desc: Cyanide, SM4500-E, Water	Analytical Method: SM 4500-CN-E							
Cyanide	0.0038	mg/L	I	1	0.0050	0.0018	5/10/2012 08:30	T
Analysis Desc: Sulfide,SM4500S-D,Aqueous	Analytical Method: SM 4500-S-D							
Sulfide	0.036	mg/L	I	1	0.050	0.0062	5/1/2012 12:39	T

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215002 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWC-2 Date Collected: 04/26/12 12:13

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance	Analytical Method: DISRES							
Conductance	1273	umhos/cm		1			5/14/2012 15:36	
Dissolved Oxygen	0.47	mg/L		1			5/14/2012 15:36	
Groundwater Elevation	34.35	feet		1			5/14/2012 15:36	
Temperature	28	°C		1			5/14/2012 15:36	
Turbidity	72.3	NTU		1			5/14/2012 15:36	
pH	6.7	pH unit		1			5/14/2012 15:36	
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Barium	11	ug/L		1	2.0	0.28	5/1/2012 15:11	J
Beryllium	0.17	ug/L	I	1	0.30	0.13	5/1/2012 15:11	J
Iron	370	ug/L		1	200	38	5/1/2012 15:11	J
Sodium	67	mg/L	V	1	0.20	0.026	5/1/2012 15:11	J
Tin	2.4	ug/L	U	1	20	2.4	5/1/2012 15:11	J
Vanadium	48	ug/L		1	1.5	0.18	5/1/2012 15:11	J
Zinc	5.3	ug/L	I	1	10	2.0	5/1/2012 15:11	J
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	0.49	ug/L	I,V	1	0.60	0.073	5/7/2012 23:03	J
Arsenic	0.55	ug/L	I	1	1.0	0.36	5/3/2012 23:53	J
Cadmium	1.6	ug/L		1	0.50	0.14	5/3/2012 23:53	J
Chromium	10	ug/L		1	2.0	1.0	5/3/2012 23:53	J
Cobalt	7.2	ug/L		1	0.50	0.053	5/3/2012 23:53	J
Copper	3.8	ug/L		1	0.70	0.10	5/3/2012 23:53	J
Lead	0.28	ug/L	I	1	0.70	0.076	5/7/2012 23:03	J
Nickel	7.1	ug/L		1	1.0	0.083	5/7/2012 23:03	J
Selenium	2.2	ug/L	U	1	5.0	2.2	5/3/2012 23:53	J
Silver	0.074	ug/L	I	1	0.30	0.059	5/3/2012 23:53	J
Thallium	0.26	ug/L		1	0.20	0.067	5/3/2012 23:53	J
Analysis Desc: SW846 7470A Analysis,Water:	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	0.000033	mg/L	I	1	0.00010	0.000014	5/10/2012 11:49	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215002 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWC-2 Date Collected: 04/26/12 12:13

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
SEMIVOLATILES								
Analysis Desc: 8141A Org Phos Pesticide Analysis, Water	Preparation Method: SW-846 3510C Analytical Method: EPA 8141							
Dimethoate	0.054	ug/L	U	1	0.20	0.054	5/9/2012 19:02	J
Disulfoton	0.041	ug/L	U	1	0.20	0.041	5/9/2012 19:02	J
Famphur	0.11	ug/L	U	1	0.20	0.11	5/9/2012 19:02	J
Methyl Parathion	0.054	ug/L	U	1	0.20	0.054	5/9/2012 19:02	J
Parathion (Ethyl)	0.064	ug/L	U	1	0.20	0.064	5/9/2012 19:02	J
Phorate	0.044	ug/L	U	1	0.20	0.044	5/9/2012 19:02	J
Tributylphosphate (S)	112	%		1	70-130		5/9/2012 19:02	J
Analysis Desc: 8151A Herbicides Analysis, Water	Preparation Method: 8151 Analytical Method: EPA 8151							
2,4,5-T	0.33	ug/L	U	1	2.0	0.33	5/8/2012 01:16	J
2,4-D	1.3	ug/L	U	1	6.0	1.3	5/8/2012 01:16	J
Dinoseb	0.51	ug/L	U	1	2.0	0.51	5/8/2012 01:16	J
Pentachlorophenol	0.29	ug/L	U	1	1.0	0.29	5/8/2012 01:16	J
Silvex (2,4,5-TP)	0.30	ug/L	U	1	2.0	0.30	5/8/2012 01:16	J
2,4-Dichlorophenylacetic (S)	97	%		1	51-122		5/8/2012 01:16	J
Analysis Desc: SW 8011 Analysis, Water	Preparation Method: SW-846 8011 Analytical Method: SW-846 8011							
1,2-Dibromo-3-Chloropropane	0.0060	ug/L	U	1	0.020	0.0060	5/3/2012 18:02	J
Ethylene Dibromide (EDB)	0.0062	ug/L	U	1	0.020	0.0062	5/3/2012 18:02	J
Tetrachloro-m-xylene (S)	141	%		1	40.3-190		5/3/2012 18:02	
Analysis Desc: 8081A Pesticide Analysis, Water	Preparation Method: SW-846 3510C Analytical Method: SW-846 8081A							
4,4`-DDD	0.0016	ug/L	U	1	0.020	0.0016	5/7/2012 16:16	J
4,4`-DDE	0.0037	ug/L	U	1	0.020	0.0037	5/7/2012 16:16	J
4,4`-DDT	0.0021	ug/L	U	1	0.020	0.0021	5/7/2012 16:16	J
Aldrin	0.0019	ug/L	U	1	0.020	0.0019	5/7/2012 16:16	J
Chlordane (technical)	0.047	ug/L	U	1	0.20	0.047	5/7/2012 16:16	J
Dieldrin	0.0011	ug/L	U	1	0.020	0.0011	5/7/2012 16:16	J
Endosulfan I	0.0031	ug/L	U	1	0.020	0.0031	5/7/2012 16:16	J
Endosulfan II	0.0026	ug/L	U	1	0.020	0.0026	5/7/2012 16:16	J
Endosulfan Sulfate	0.0032	ug/L	U	1	0.020	0.0032	5/7/2012 16:16	J
Endrin	0.0017	ug/L	U	1	0.020	0.0017	5/7/2012 16:16	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215002 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWC-2 Date Collected: 04/26/12 12:13

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Endrin Aldehyde	0.0025	ug/L	U	1	0.020	0.0025	5/7/2012 16:16	J
Heptachlor	0.0035	ug/L	U	1	0.020	0.0035	5/7/2012 16:16	J
Heptachlor Epoxide	0.0017	ug/L	U	1	0.020	0.0017	5/7/2012 16:16	J
Methoxychlor	0.0058	ug/L	U	1	0.020	0.0058	5/7/2012 16:16	J
Toxaphene	0.11	ug/L	U	1	0.20	0.11	5/7/2012 16:16	J
alpha-BHC	0.0030	ug/L	U	1	0.020	0.0030	5/7/2012 16:16	J
beta-BHC	0.0019	ug/L	U	1	0.020	0.0019	5/7/2012 16:16	J
delta-BHC	0.00086	ug/L	U	1	0.020	0.00086	5/7/2012 16:16	J
gamma-BHC (Lindane)	0.0018	ug/L	U	1	0.020	0.0018	5/7/2012 16:16	J
Tetrachloro-m-xylene (S)	87	%		1	26-133		5/7/2012 16:16	
Decachlorobiphenyl (S)	82	%		1	26-157		5/7/2012 16:16	
Analysis Desc: 8082A PCB Analysis, Water	Preparation Method: SW-846 3510C Analytical Method: SW-846 8082A							
Aroclor 1016 (PCB-1016)	0.073	ug/L	U	1	0.20	0.073	5/7/2012 16:16	J
Aroclor 1221 (PCB-1221)	0.11	ug/L	U	1	0.20	0.11	5/7/2012 16:16	J
Aroclor 1232 (PCB-1232)	0.097	ug/L	U	1	0.20	0.097	5/7/2012 16:16	J
Aroclor 1242 (PCB-1242)	0.096	ug/L	U	1	0.20	0.096	5/7/2012 16:16	J
Aroclor 1248 (PCB-1248)	0.067	ug/L	U	1	0.20	0.067	5/7/2012 16:16	J
Aroclor 1254 (PCB-1254)	0.051	ug/L	U	1	0.20	0.051	5/7/2012 16:16	J
Aroclor 1260 (PCB-1260)	0.052	ug/L	U	1	0.20	0.052	5/7/2012 16:16	J
Tetrachloro-m-xylene (S)	87	%		1	32-124		5/7/2012 16:16	
Decachlorobiphenyl (S)	82	%		1	29-144		5/7/2012 16:16	
Analysis Desc: 8270C Analysis, Water	Preparation Method: SW-846 3510C Analytical Method: SW-846 8270C							
1,2,4,5-Tetrachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
1,2,4-Trichlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
1,2-Dichlorobenzene	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:51	J
1,2-Diphenylhydrazine	3.1	ug/L	U	1	5.0	3.1	5/9/2012 03:51	J
1,3,5-Trinitrobenzene	1.0	ug/L	U	1	10	1.0	5/9/2012 03:51	J
1,3-Dichlorobenzene	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
1,3-Dinitrobenzene	1.8	ug/L	U	1	5.0	1.8	5/9/2012 03:51	J
1,4-Dichlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
1,4-Naphthoquinone	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
1,4-Phenylenediamine	8.2	ug/L	U	1	80	8.2	5/9/2012 03:51	J
1-Naphthylamine	1.7	ug/L	U	1	5.0	1.7	5/9/2012 03:51	J
2,3,4,6-Tetrachlorophenol	0.62	ug/L	U	1	5.0	0.62	5/9/2012 03:51	J
2,4,5-Trichlorophenol	1.7	ug/L	U	1	5.0	1.7	5/9/2012 03:51	J
2,4,6-Trichlorophenol	0.61	ug/L	U	1	5.0	0.61	5/9/2012 03:51	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215002 Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWC-2 Date Collected: 04/26/12 12:13

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
2,4-Dichlorophenol	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
2,4-Dimethylphenol	0.82	ug/L	U	1	5.0	0.82	5/9/2012 03:51	J
2,4-Dinitrophenol	4.4	ug/L	U	1	10	4.4	5/9/2012 03:51	J
2,4-Dinitrotoluene (2,4-DNT)	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:51	J
2,6-Dichlorophenol	0.64	ug/L	U	1	5.0	0.64	5/9/2012 03:51	J
2,6-Dinitrotoluene (2,6-DNT)	1.7	ug/L	U	1	5.0	1.7	5/9/2012 03:51	J
2-Acetylaminofluorene	0.95	ug/L	U	1	5.0	0.95	5/9/2012 03:51	J
2-Chloronaphthalene	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:51	J
2-Chlorophenol	0.72	ug/L	U	1	5.0	0.72	5/9/2012 03:51	J
2-Methyl-4,6-dinitrophenol	2.0	ug/L	U	1	10	2.0	5/9/2012 03:51	J
2-Methylphenol (o-Cresol)	0.56	ug/L	U	1	5.0	0.56	5/9/2012 03:51	J
2-Naphthylamine	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:51	J
2-Nitroaniline	1.8	ug/L	U	1	5.0	1.8	5/9/2012 03:51	J
2-Nitrophenol	0.87	ug/L	U	1	5.0	0.87	5/9/2012 03:51	J
2-Picoline (2-Methylpyridine)	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:51	J
3+4-Methylphenol(mp-Cresol)	1.5	ug/L	U	1	10	1.5	5/9/2012 03:51	J
3,3'-Dimethylbenzidine	1.0	ug/L	U	1	10	1.0	5/9/2012 03:51	J
3,3`-Dichlorobenzidine	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
3-Methylcholanthrene	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:51	J
3-Nitroaniline	2.0	ug/L	U	1	5.0	2.0	5/9/2012 03:51	J
4-Aminobiphenyl	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
4-Bromophenyl Phenyl Ether	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
4-Chloro-3-methylphenol	0.68	ug/L	U	1	5.0	0.68	5/9/2012 03:51	J
4-Chloroaniline	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:51	J
4-Chlorophenyl Phenyl Ether	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:51	J
4-Dimethyl aminoazobenzene	1.6	ug/L	U	1	10	1.6	5/9/2012 03:51	J
4-Nitroaniline	2.6	ug/L	U	1	5.0	2.6	5/9/2012 03:51	J
4-Nitrophenol	1.6	ug/L	U	1	10	1.6	5/9/2012 03:51	J
5-Nitro-o-toluidine	1.0	ug/L	U	1	10	1.0	5/9/2012 03:51	J
7,12-Dimethylbenz[a]anthracene	1.8	ug/L	U	1	5.0	1.8	5/9/2012 03:51	J
Acetophenone	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
Aniline	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:51	J
Benzidine	0.90	ug/L	U	1	5.0	0.90	5/9/2012 03:51	J
Benzoic Acid	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:51	J
Benzyl Alcohol	0.66	ug/L	U	1	5.0	0.66	5/9/2012 03:51	J
Butyl benzyl phthalate	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:51	J
Chlorobenzilate	1.4	ug/L	U	1	10	1.4	5/9/2012 03:51	J
Di-n-Butyl Phthalate	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:51	J
Di-n-octyl Phthalate	2.0	ug/L	U	1	5.0	2.0	5/9/2012 03:51	J
Diallate	0.75	ug/L	U	1	5.0	0.75	5/9/2012 03:51	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215002 Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWC-2 Date Collected: 04/26/12 12:13

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibenzofuran	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
Diethyl phthalate	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:51	J
Dimethyl phthalate	2.3	ug/L	U	1	5.0	2.3	5/9/2012 03:51	J
Diphenylamine	2.6	ug/L	U	1	10	2.6	5/9/2012 03:51	J
Ethyl methanesulfonate	0.97	ug/L	U	1	5.0	0.97	5/9/2012 03:51	J
Hexachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
Hexachlorobutadiene	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
Hexachlorocyclopentadiene	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:51	J
Hexachloroethane	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:51	J
Hexachloropropene	1.1	ug/L	U	1	10	1.1	5/9/2012 03:51	J
Isodrin	1.4	ug/L	U	1	10	1.4	5/9/2012 03:51	J
Isophorone	1.5	ug/L	U	1	5.0	1.5	5/9/2012 03:51	J
Isosafrole	1.5	ug/L	U	1	10	1.5	5/9/2012 03:51	J
Kepone	74	ug/L	U	1	80	74	5/9/2012 03:51	J
Methapyrilene	55	ug/L	U	1	80	55	5/9/2012 03:51	J
Methyl Methanesulfonate	0.68	ug/L	U	1	5.0	0.68	5/9/2012 03:51	J
N-Nitrosodi-n-butylamine	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
N-Nitrosodi-n-propylamine	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:51	J
N-Nitrosodiethylamine	1.7	ug/L	U	1	5.0	1.7	5/9/2012 03:51	J
N-Nitrosodimethylamine	0.66	ug/L	U	1	5.0	0.66	5/9/2012 03:51	J
N-Nitrosodiphenylamine	2.6	ug/L	U	1	10	2.6	5/9/2012 03:51	J
N-Nitrosomethylethylamine	2.1	ug/L	U	1	5.0	2.1	5/9/2012 03:51	J
N-Nitrosopiperidine	1.3	ug/L	U	1	5.0	1.3	5/9/2012 03:51	J
N-Nitrosopyrrolidine	1.1	ug/L	U	1	5.0	1.1	5/9/2012 03:51	J
Nitrobenzene	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:51	J
Nitroquinoline-1-oxide	3.5	ug/L	U	1	10	3.5	5/9/2012 03:51	J
Pentachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
Pentachloronitrobenzene	2.0	ug/L	U	1	5.0	2.0	5/9/2012 03:51	J
Phenacetin	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:51	J
Phenol	0.60	ug/L	U	1	5.0	0.60	5/9/2012 03:51	J
Pronamide (Kerb)	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
Safrole	1.0	ug/L	U	1	10	1.0	5/9/2012 03:51	J
Thionazin (Zinophos)	0.58	ug/L	U	1	5.0	0.58	5/9/2012 03:51	J
a,a-Dimethylphenethylamine	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
bis(2-Chloroethoxy)methane	1.6	ug/L	U	1	5.0	1.6	5/9/2012 03:51	J
bis(2-Chloroethyl)Ether	1.2	ug/L	U	1	5.0	1.2	5/9/2012 03:51	J
bis(2-Chloroisopropyl) Ether	1.4	ug/L	U	1	5.0	1.4	5/9/2012 03:51	J
bis(2-Ethylhexyl) phthalate	1.9	ug/L	U	1	5.0	1.9	5/9/2012 03:51	J
o,o,o-Triethylphosphorothioate	1.2	ug/L	U	1	10	1.2	5/9/2012 03:51	J
o-Toluidine	1.3	ug/L	U	1	10	1.3	5/9/2012 03:51	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215002 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWC-2 Date Collected: 04/26/12 12:13

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
2-Fluorophenol (S)	37	%		1	10-90		5/9/2012 03:51	
Phenol-d6 (S)	30	%		1	10-67		5/9/2012 03:51	
Nitrobenzene-d5 (S)	92	%		1	32-147		5/9/2012 03:51	
2-Fluorobiphenyl (S)	85	%		1	34-140		5/9/2012 03:51	
2,4,6-Tribromophenol (S)	36	%		1	19-190		5/9/2012 03:51	
p-Terphenyl-d14 (S)	83	%		1	54-138		5/9/2012 03:51	
Analysis Desc: 8270C-SIM Analysis, Water	Preparation Method: SW-846 3510C Analytical Method: SW-846 8270C (SIM)							
1-Methylnaphthalene	0.018	ug/L	U	1	0.20	0.018	4/30/2012 17:31	J
2-Methylnaphthalene	0.045	ug/L	U	1	0.20	0.045	4/30/2012 17:31	J
Acenaphthene	0.034	ug/L	U	1	0.20	0.034	4/30/2012 17:31	J
Acenaphthylene	0.030	ug/L	U	1	0.20	0.030	4/30/2012 17:31	J
Anthracene	0.028	ug/L	U	1	0.20	0.028	4/30/2012 17:31	J
Benzo[a]anthracene	0.026	ug/L	U	1	0.20	0.026	4/30/2012 17:31	J
Benzo[a]pyrene	0.024	ug/L	U	1	0.20	0.024	4/30/2012 17:31	J
Benzo[b]fluoranthene	0.040	ug/L	U	1	0.20	0.040	4/30/2012 17:31	J
Benzo[g,h,i]perylene	0.034	ug/L	U	1	0.20	0.034	4/30/2012 17:31	J
Benzo[k]fluoranthene	0.058	ug/L	U	1	0.20	0.058	4/30/2012 17:31	J
Chrysene	0.041	ug/L	U	1	0.20	0.041	4/30/2012 17:31	J
Dibenzo[a,h]anthracene	0.042	ug/L	U	1	0.20	0.042	4/30/2012 17:31	J
Fluoranthene	0.027	ug/L	U	1	0.20	0.027	4/30/2012 17:31	J
Fluorene	0.030	ug/L	U	1	0.20	0.030	4/30/2012 17:31	J
Indeno(1,2,3-cd)pyrene	0.048	ug/L	U	1	0.20	0.048	4/30/2012 17:31	J
Naphthalene	0.053	ug/L	U	1	0.20	0.053	4/30/2012 17:31	J
Phenanthrene	0.036	ug/L	U	1	0.20	0.036	4/30/2012 17:31	J
Pyrene	0.033	ug/L	U	1	0.20	0.033	4/30/2012 17:31	J
Decafluorobiphenyl (S)	74	%		1	21-122		4/30/2012 17:31	
VOLATILES								
Analysis Desc: 8260C Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	4/27/2012 17:56	J
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 17:56	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	4/27/2012 17:56	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	4/27/2012 17:56	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	4/27/2012 17:56	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	4/27/2012 17:56	J
1,1-Dichloropropene	0.24	ug/L	U	1	1.0	0.24	4/27/2012 17:56	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215002 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWC-2 Date Collected: 04/26/12 12:13

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	4/27/2012 17:56	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	4/27/2012 17:56	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 17:56	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 17:56	J
1,3-Dichlorobenzene	0.31	ug/L	U	1	1.0	0.31	4/27/2012 17:56	J
1,3-Dichloropropane	0.31	ug/L	U	1	1.0	0.31	4/27/2012 17:56	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	4/27/2012 17:56	J
2,2-Dichloropropane	0.57	ug/L	U	1	5.0	0.57	4/27/2012 17:56	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	4/27/2012 17:56	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	4/27/2012 17:56	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	4/27/2012 17:56	J
Acetone	3.3	ug/L	U	1	5.0	3.3	4/27/2012 17:56	J
Acetonitrile	21	ug/L	U	1	50	21	4/27/2012 17:56	J
Acrolein (Propenal)	3.5	ug/L	U	1	5.0	3.5	4/27/2012 17:56	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	4/27/2012 17:56	J
Allyl Chloride(3-Chloropropene	2.1	ug/L	U	1	5.0	2.1	4/27/2012 17:56	J
Benzene	0.21	ug/L	U	1	1.0	0.21	4/27/2012 17:56	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	4/27/2012 17:56	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	4/27/2012 17:56	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	4/27/2012 17:56	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	4/27/2012 17:56	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	4/27/2012 17:56	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	4/27/2012 17:56	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	4/27/2012 17:56	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	4/27/2012 17:56	J
Chloroform	0.26	ug/L	U	1	1.0	0.26	4/27/2012 17:56	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 17:56	J
Chloroprene	2.0	ug/L	U	1	5.0	2.0	4/27/2012 17:56	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	4/27/2012 17:56	J
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	4/27/2012 17:56	J
Dichlorodifluoromethane	0.34	ug/L	U	1	1.0	0.34	4/27/2012 17:56	J
Ethyl Methacrylate	2.1	ug/L	U	1	5.0	2.1	4/27/2012 17:56	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	4/27/2012 17:56	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	4/27/2012 17:56	J
Isobutyl Alcohol	44	ug/L	U	1	100	44	4/27/2012 17:56	J
Methacrylonitrile	18	ug/L	U	1	50	18	4/27/2012 17:56	J
Methyl Methacrylate	1.8	ug/L	U	1	5.0	1.8	4/27/2012 17:56	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	4/27/2012 17:56	J
Propionitrile (Ethyl cyanide)	21	ug/L	U	1	50	21	4/27/2012 17:56	J
Styrene	0.21	ug/L	U	1	1.0	0.21	4/27/2012 17:56	J

CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215002 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWC-2 Date Collected: 04/26/12 12:13

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Tetrachloroethylene (PCE)	0.59	ug/L	U	1	1.0	0.59	4/27/2012 17:56	J
Toluene	2.8	ug/L		1	1.0	0.28	4/27/2012 17:56	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	4/27/2012 17:56	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	4/27/2012 17:56	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	4/27/2012 17:56	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	4/27/2012 17:56	J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	4/27/2012 17:56	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	4/27/2012 17:56	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	4/27/2012 17:56	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	4/27/2012 17:56	J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	4/27/2012 17:56	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	4/27/2012 17:56	J
1,2-Dichloroethane-d4 (S)	101	%		1	80-120		4/27/2012 17:56	
Toluene-d8 (S)	97	%		1	88-110		4/27/2012 17:56	
Bromofluorobenzene (S)	102	%		1	86-115		4/27/2012 17:56	
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Chloride	73	mg/L		1	0.50	0.032	4/27/2012 19:12	G
Nitrate	9.4	mg/L		1	0.050	0.011	4/27/2012 19:12	G
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	0.18	mg/L		1	0.010	0.0080	5/3/2012 13:06	G
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540C							
Total Dissolved Solids	700	mg/L		1	10	10	5/1/2012 13:18	G
Analysis Desc: Cyanide, SM4500-E, Water	Analytical Method: SM 4500-CN-E							
Cyanide	0.0041	mg/L	I	1	0.0050	0.0018	5/10/2012 08:30	T
Analysis Desc: Sulfide,SM4500S-D,Aqueous	Analytical Method: SM 4500-S-D							
Sulfide	0.083	mg/L		1	0.050	0.0062	5/1/2012 12:42	T

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215003 Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWC-3 Date Collected: 04/26/12 10:54

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance		Analytical Method: DISRES						
Conductance	1466	umhos/cm		1			5/14/2012 15:36	
Dissolved Oxygen	0.46	mg/L		1			5/14/2012 15:36	
Groundwater Elevation	33.13	feet		1			5/14/2012 15:36	
Temperature	26	°C		1			5/14/2012 15:36	
Turbidity	18.1	NTU		1			5/14/2012 15:36	
METALS								
Analysis Desc: SW846 6010B		Preparation Method: SW-846 3010A						
Analysis: Water		Analytical Method: SW-846 6010						
Barium	60	ug/L		1	2.0	0.28	5/1/2012 15:16	J
Beryllium	0.13	ug/L	U	1	0.30	0.13	5/1/2012 15:16	J
Iron	360	ug/L		1	200	38	5/1/2012 15:16	J
Sodium	83	mg/L	V	1	0.20	0.026	5/1/2012 15:16	J
Tin	2.4	ug/L	U	1	20	2.4	5/1/2012 15:16	J
Vanadium	29	ug/L		1	1.5	0.18	5/1/2012 15:16	J
Zinc	6.3	ug/L	I	1	10	2.0	5/1/2012 15:16	J
Analysis Desc: SW846 6020B		Preparation Method: SW-846 3010A						
Analysis: Total		Analytical Method: SW-846 6020						
Antimony	0.42	ug/L	I,V	1	0.60	0.073	5/7/2012 23:13	J
Arsenic	0.93	ug/L	I	1	1.0	0.36	5/4/2012 00:03	J
Cadmium	4.1	ug/L		1	0.50	0.14	5/4/2012 00:03	J
Chromium	5.5	ug/L		1	2.0	1.0	5/4/2012 00:03	J
Cobalt	3.9	ug/L		1	0.50	0.053	5/4/2012 00:03	J
Copper	6.0	ug/L		1	0.70	0.10	5/4/2012 00:03	J
Lead	0.45	ug/L	I	1	0.70	0.076	5/7/2012 23:13	J
Nickel	3.7	ug/L		1	1.0	0.083	5/7/2012 23:13	J
Selenium	2.2	ug/L	U	1	5.0	2.2	5/4/2012 00:03	J
Silver	0.059	ug/L	U	1	0.30	0.059	5/4/2012 00:03	J
Thallium	0.50	ug/L		1	0.20	0.067	5/4/2012 00:03	J
Analysis Desc: SW846 7470A		Preparation Method: SW-846 7470A						
Analysis: Water		Analytical Method: SW-846 7470A						
Mercury	0.000034	mg/L	I	1	0.00010	0.000014	5/10/2012 11:51	J
SEMIVOLATILES								

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215003 Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWC-3 Date Collected: 04/26/12 10:54

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8141A Org Phos Pesticide Analysis, Water	Preparation Method: SW-846 3510C Analytical Method: EPA 8141							
Dimethoate	0.054	ug/L	U	1	0.20	0.054	5/9/2012 19:35	J
Disulfoton	0.041	ug/L	U	1	0.20	0.041	5/9/2012 19:35	J
Famphur	0.11	ug/L	U	1	0.20	0.11	5/9/2012 19:35	J
Methyl Parathion	0.054	ug/L	U	1	0.20	0.054	5/9/2012 19:35	J
Parathion (Ethyl)	0.064	ug/L	U	1	0.20	0.064	5/9/2012 19:35	J
Phorate	0.044	ug/L	U	1	0.20	0.044	5/9/2012 19:35	J
Tributylphosphate (S)	109	%		1	70-130		5/9/2012 19:35	J
Analysis Desc: 8151A Herbicides Analysis, Water	Preparation Method: 8151 Analytical Method: EPA 8151							
2,4,5-T	0.33	ug/L	U	1	2.0	0.33	5/8/2012 01:43	J
2,4-D	1.3	ug/L	U	1	6.0	1.3	5/8/2012 01:43	J
Dinoseb	0.51	ug/L	U	1	2.0	0.51	5/8/2012 01:43	J
Pentachlorophenol	0.29	ug/L	U	1	1.0	0.29	5/8/2012 01:43	J
Silvex (2,4,5-TP)	0.30	ug/L	U	1	2.0	0.30	5/8/2012 01:43	J
2,4-Dichlorophenylacetic (S)	86	%		1	51-122		5/8/2012 01:43	J
Analysis Desc: SW-8011 Analysis, Water	Preparation Method: SW-846 8011 Analytical Method: SW-846 8011							
1,2-Dibromo-3-Chloropropane	0.0060	ug/L	U	1	0.020	0.0060	5/3/2012 18:27	J
Ethylene Dibromide (EDB)	0.0062	ug/L	U	1	0.020	0.0062	5/3/2012 18:27	J
Tetrachloro-m-xylene (S)	137	%		1	40.3-190		5/3/2012 18:27	
Analysis Desc: 8081A Pesticide Analysis, Water	Preparation Method: SW-846 3510C Analytical Method: SW-846 8081A							
4,4`-DDD	0.0016	ug/L	U	1	0.020	0.0016	5/7/2012 15:56	J
4,4`-DDE	0.0037	ug/L	U	1	0.020	0.0037	5/7/2012 15:56	J
4,4`-DDT	0.0021	ug/L	U	1	0.020	0.0021	5/7/2012 15:56	J
Aldrin	0.0019	ug/L	U	1	0.020	0.0019	5/7/2012 15:56	J
Chlordane (technical)	0.047	ug/L	U	1	0.20	0.047	5/7/2012 15:56	J
Dieldrin	0.0011	ug/L	U	1	0.020	0.0011	5/7/2012 15:56	J
Endosulfan I	0.0031	ug/L	U	1	0.020	0.0031	5/7/2012 15:56	J
Endosulfan II	0.0026	ug/L	U	1	0.020	0.0026	5/7/2012 15:56	J
Endosulfan Sulfate	0.0032	ug/L	U	1	0.020	0.0032	5/7/2012 15:56	J
Endrin	0.0017	ug/L	U	1	0.020	0.0017	5/7/2012 15:56	J
Endrin Aldehyde	0.0025	ug/L	U	1	0.020	0.0025	5/7/2012 15:56	J
Heptachlor	0.0035	ug/L	U	1	0.020	0.0035	5/7/2012 15:56	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: **G1202215003** Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: **MWC-3** Date Collected: 04/26/12 10:54

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Heptachlor Epoxide	0.0017	ug/L	U	1	0.020	0.0017	5/7/2012 15:56	J
Methoxychlor	0.0058	ug/L	U	1	0.020	0.0058	5/7/2012 15:56	J
Toxaphene	0.11	ug/L	U	1	0.20	0.11	5/7/2012 15:56	J
alpha-BHC	0.0030	ug/L	U	1	0.020	0.0030	5/7/2012 15:56	J
beta-BHC	0.0019	ug/L	U	1	0.020	0.0019	5/7/2012 15:56	J
delta-BHC	0.00086	ug/L	U	1	0.020	0.00086	5/7/2012 15:56	J
gamma-BHC (Lindane)	0.0018	ug/L	U	1	0.020	0.0018	5/7/2012 15:56	J
Tetrachloro-m-xylene (S)	75	%		1	26-133		5/7/2012 15:56	
Decachlorobiphenyl (S)	64	%		1	26-157		5/7/2012 15:56	
Analysis Desc: 8082A PCB Analysis, Water	Preparation Method: SW-846 3510C Analytical Method: SW-846 8082A							
Aroclor 1016 (PCB-1016)	0.073	ug/L	U	1	0.20	0.073	5/7/2012 15:56	J
Aroclor 1221 (PCB-1221)	0.11	ug/L	U	1	0.20	0.11	5/7/2012 15:56	J
Aroclor 1232 (PCB-1232)	0.097	ug/L	U	1	0.20	0.097	5/7/2012 15:56	J
Aroclor 1242 (PCB-1242)	0.096	ug/L	U	1	0.20	0.096	5/7/2012 15:56	J
Aroclor 1248 (PCB-1248)	0.067	ug/L	U	1	0.20	0.067	5/7/2012 15:56	J
Aroclor 1254 (PCB-1254)	0.051	ug/L	U	1	0.20	0.051	5/7/2012 15:56	J
Aroclor 1260 (PCB-1260)	0.052	ug/L	U	1	0.20	0.052	5/7/2012 15:56	J
Tetrachloro-m-xylene (S)	75	%		1	32-124		5/7/2012 15:56	
Decachlorobiphenyl (S)	64	%		1	29-144		5/7/2012 15:56	
Analysis Desc: 8270C Analysis, Water	Preparation Method: SW-846 3510C Analytical Method: SW-846 8270C							
1,2,4,5-Tetrachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
1,2,4-Trichlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
1,2-Dichlorobenzene	1.1	ug/L	U	1	5.0	1.1	5/9/2012 02:24	J
1,2-Diphenylhydrazine	3.1	ug/L	U	1	5.0	3.1	5/9/2012 02:24	J
1,3,5-Trinitrobenzene	1.0	ug/L	U	1	10	1.0	5/9/2012 02:24	J
1,3-Dichlorobenzene	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
1,3-Dinitrobenzene	1.8	ug/L	U	1	5.0	1.8	5/9/2012 02:24	J
1,4-Dichlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
1,4-Naphthoquinone	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
1,4-Phenylenediamine	8.2	ug/L	U	1	80	8.2	5/9/2012 02:24	J
1-Naphthylamine	1.7	ug/L	U	1	5.0	1.7	5/9/2012 02:24	J
2,3,4,6-Tetrachlorophenol	0.62	ug/L	U	1	5.0	0.62	5/9/2012 02:24	J
2,4,5-Trichlorophenol	1.7	ug/L	U	1	5.0	1.7	5/9/2012 02:24	J
2,4,6-Trichlorophenol	0.61	ug/L	U	1	5.0	0.61	5/9/2012 02:24	J
2,4-Dichlorophenol	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
2,4-Dimethylphenol	0.82	ug/L	U	1	5.0	0.82	5/9/2012 02:24	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215003 Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWC-3 Date Collected: 04/26/12 10:54

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
2,4-Dinitrophenol	4.4	ug/L	U	1	10	4.4	5/9/2012 02:24	J
2,4-Dinitrotoluene (2,4-DNT)	1.5	ug/L	U	1	5.0	1.5	5/9/2012 02:24	J
2,6-Dichlorophenol	0.64	ug/L	U	1	5.0	0.64	5/9/2012 02:24	J
2,6-Dinitrotoluene (2,6-DNT)	1.7	ug/L	U	1	5.0	1.7	5/9/2012 02:24	J
2-Acetylaminofluorene	0.95	ug/L	U	1	5.0	0.95	5/9/2012 02:24	J
2-Chloronaphthalene	1.2	ug/L	U	1	5.0	1.2	5/9/2012 02:24	J
2-Chlorophenol	0.72	ug/L	U	1	5.0	0.72	5/9/2012 02:24	J
2-Methyl-4,6-dinitrophenol	2.0	ug/L	U	1	10	2.0	5/9/2012 02:24	J
2-Methylphenol (o-Cresol)	0.56	ug/L	U	1	5.0	0.56	5/9/2012 02:24	J
2-Naphthylamine	1.2	ug/L	U	1	5.0	1.2	5/9/2012 02:24	J
2-Nitroaniline	1.8	ug/L	U	1	5.0	1.8	5/9/2012 02:24	J
2-Nitrophenol	0.87	ug/L	U	1	5.0	0.87	5/9/2012 02:24	J
2-Picoline (2-Methylpyridine)	1.1	ug/L	U	1	5.0	1.1	5/9/2012 02:24	J
3+4-Methylphenol(mp-Cresol)	1.5	ug/L	U	1	10	1.5	5/9/2012 02:24	J
3,3'-Dimethylbenzidine	1.0	ug/L	U	1	10	1.0	5/9/2012 02:24	J
3,3'-Dichlorobenzidine	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
3-Methylcholanthrene	1.6	ug/L	U	1	5.0	1.6	5/9/2012 02:24	J
3-Nitroaniline	2.0	ug/L	U	1	5.0	2.0	5/9/2012 02:24	J
4-Aminobiphenyl	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
4-Bromophenyl Phenyl Ether	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
4-Chloro-3-methylphenol	0.68	ug/L	U	1	5.0	0.68	5/9/2012 02:24	J
4-Chloroaniline	1.1	ug/L	U	1	5.0	1.1	5/9/2012 02:24	J
4-Chlorophenyl Phenyl Ether	1.2	ug/L	U	1	5.0	1.2	5/9/2012 02:24	J
4-Dimethyl aminoazobenzene	1.6	ug/L	U	1	10	1.6	5/9/2012 02:24	J
4-Nitroaniline	2.6	ug/L	U	1	5.0	2.6	5/9/2012 02:24	J
4-Nitrophenol	1.6	ug/L	U	1	10	1.6	5/9/2012 02:24	J
5-Nitro-o-toluidine	1.0	ug/L	U	1	10	1.0	5/9/2012 02:24	J
7,12-Dimethylbenz[a]anthracene	1.8	ug/L	U	1	5.0	1.8	5/9/2012 02:24	J
Acetophenone	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
Aniline	1.1	ug/L	U	1	5.0	1.1	5/9/2012 02:24	J
Benzidine	0.90	ug/L	U	1	5.0	0.90	5/9/2012 02:24	J
Benzoic Acid	1.6	ug/L	U	1	5.0	1.6	5/9/2012 02:24	J
Benzyl Alcohol	0.66	ug/L	U	1	5.0	0.66	5/9/2012 02:24	J
Butyl benzyl phthalate	1.5	ug/L	U	1	5.0	1.5	5/9/2012 02:24	J
Chlorobenzilate	1.4	ug/L	U	1	10	1.4	5/9/2012 02:24	J
Di-n-Butyl Phthalate	1.1	ug/L	U	1	5.0	1.1	5/9/2012 02:24	J
Di-n-octyl Phthalate	2.0	ug/L	U	1	5.0	2.0	5/9/2012 02:24	J
Diallate	0.75	ug/L	U	1	5.0	0.75	5/9/2012 02:24	J
Dibenzofuran	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
Diethyl phthalate	1.5	ug/L	U	1	5.0	1.5	5/9/2012 02:24	J

CERTIFICATE OF ANALYSIS

Advanced Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc.
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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215003 Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWC-3 Date Collected: 04/26/12 10:54

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dimethyl phthalate	2.3	ug/L	U	1	5.0	2.3	5/9/2012 02:24	J
Diphenylamine	2.6	ug/L	U	1	10	2.6	5/9/2012 02:24	J
Ethyl methanesulfonate	0.97	ug/L	U	1	5.0	0.97	5/9/2012 02:24	J
Hexachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
Hexachlorobutadiene	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
Hexachlorocyclopentadiene	1.2	ug/L	U	1	5.0	1.2	5/9/2012 02:24	J
Hexachloroethane	1.1	ug/L	U	1	5.0	1.1	5/9/2012 02:24	J
Hexachloropropene	1.1	ug/L	U	1	10	1.1	5/9/2012 02:24	J
Isodrin	1.4	ug/L	U	1	10	1.4	5/9/2012 02:24	J
Isophorone	1.5	ug/L	U	1	5.0	1.5	5/9/2012 02:24	J
Isosafrole	1.5	ug/L	U	1	10	1.5	5/9/2012 02:24	J
Kepone	74	ug/L	U	1	80	74	5/9/2012 02:24	J
Methapyrilene	55	ug/L	U	1	80	55	5/9/2012 02:24	J
Methyl Methanesulfonate	0.68	ug/L	U	1	5.0	0.68	5/9/2012 02:24	J
N-Nitrosodi-n-butylamine	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
N-Nitrosodi-n-propylamine	1.6	ug/L	U	1	5.0	1.6	5/9/2012 02:24	J
N-Nitrosodiethylamine	1.7	ug/L	U	1	5.0	1.7	5/9/2012 02:24	J
N-Nitrosodimethylamine	0.66	ug/L	U	1	5.0	0.66	5/9/2012 02:24	J
N-Nitrosodiphenylamine	2.6	ug/L	U	1	10	2.6	5/9/2012 02:24	J
N-Nitrosomethylethylamine	2.1	ug/L	U	1	5.0	2.1	5/9/2012 02:24	J
N-Nitrosopiperidine	1.3	ug/L	U	1	5.0	1.3	5/9/2012 02:24	J
N-Nitrosopyrrolidine	1.1	ug/L	U	1	5.0	1.1	5/9/2012 02:24	J
Nitrobenzene	1.6	ug/L	U	1	5.0	1.6	5/9/2012 02:24	J
Nitroquinoline-1-oxide	3.5	ug/L	U	1	10	3.5	5/9/2012 02:24	J
Pentachlorobenzene	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
Pentachloronitrobenzene	2.0	ug/L	U	1	5.0	2.0	5/9/2012 02:24	J
Phenacetin	1.2	ug/L	U	1	5.0	1.2	5/9/2012 02:24	J
Phenol	0.60	ug/L	U	1	5.0	0.60	5/9/2012 02:24	J
Pronamide (Kerb)	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
Safrole	1.0	ug/L	U	1	10	1.0	5/9/2012 02:24	J
Thionazin (Zinophos)	0.58	ug/L	U	1	5.0	0.58	5/9/2012 02:24	J
a,a-Dimethylphenethylamine	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
bis(2-Chloroethoxy)methane	1.6	ug/L	U	1	5.0	1.6	5/9/2012 02:24	J
bis(2-Chloroethyl)Ether	1.2	ug/L	U	1	5.0	1.2	5/9/2012 02:24	J
bis(2-Chloroisopropyl) Ether	1.4	ug/L	U	1	5.0	1.4	5/9/2012 02:24	J
bis(2-Ethylhexyl) phthalate	1.9	ug/L	U	1	5.0	1.9	5/9/2012 02:24	J
o,o,o-Triethylphosphorothioate	1.2	ug/L	U	1	10	1.2	5/9/2012 02:24	J
o-Toluidine	1.3	ug/L	U	1	10	1.3	5/9/2012 02:24	J
2-Fluorophenol (S)	38	%		1	10-90		5/9/2012 02:24	
Phenol-d6 (S)	25	%		1	10-67		5/9/2012 02:24	

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215003 Date Received: 04/26/12 14:40 Matrix: Water
Sample ID: MWC-3 Date Collected: 04/26/12 10:54

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Nitrobenzene-d5 (S)	90	%		1	32-147		5/9/2012 02:24	
2-Fluorobiphenyl (S)	82	%		1	34-140		5/9/2012 02:24	
2,4,6-Tribromophenol (S)	43	%		1	19-190		5/9/2012 02:24	
p-Terphenyl-d14 (S)	92	%		1	54-138		5/9/2012 02:24	
Analysis Desc: 8270C-SIM Analysis, Water	Preparation Method: SW-846 3510C Analytical Method: SW-846 8270C (SIM)							
1-Methylnaphthalene	0.018	ug/L	U	1	0.20	0.018	4/30/2012 18:03	J
2-Methylnaphthalene	0.045	ug/L	U	1	0.20	0.045	4/30/2012 18:03	J
Acenaphthene	0.034	ug/L	U	1	0.20	0.034	4/30/2012 18:03	J
Acenaphthylene	0.030	ug/L	U	1	0.20	0.030	4/30/2012 18:03	J
Anthracene	0.028	ug/L	U	1	0.20	0.028	4/30/2012 18:03	J
Benzo[a]anthracene	0.026	ug/L	U	1	0.20	0.026	4/30/2012 18:03	J
Benzo[a]pyrene	0.024	ug/L	U	1	0.20	0.024	4/30/2012 18:03	J
Benzo[b]fluoranthene	0.040	ug/L	U	1	0.20	0.040	4/30/2012 18:03	J
Benzo[g,h,i]perylene	0.034	ug/L	U	1	0.20	0.034	4/30/2012 18:03	J
Benzo[k]fluoranthene	0.058	ug/L	U	1	0.20	0.058	4/30/2012 18:03	J
Chrysene	0.041	ug/L	U	1	0.20	0.041	4/30/2012 18:03	J
Dibenzo[a,h]anthracene	0.042	ug/L	U	1	0.20	0.042	4/30/2012 18:03	J
Fluoranthene	0.027	ug/L	U	1	0.20	0.027	4/30/2012 18:03	J
Fluorene	0.030	ug/L	U	1	0.20	0.030	4/30/2012 18:03	J
Indeno(1,2,3-cd)pyrene	0.048	ug/L	U	1	0.20	0.048	4/30/2012 18:03	J
Naphthalene	0.053	ug/L	U	1	0.20	0.053	4/30/2012 18:03	J
Phenanthrene	0.036	ug/L	U	1	0.20	0.036	4/30/2012 18:03	J
Pyrene	0.033	ug/L	U	1	0.20	0.033	4/30/2012 18:03	J
Decafluorobiphenyl (S)	93	%		1	21-122		4/30/2012 18:03	
VOLATILES								
Analysis Desc: 8260C Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	4/27/2012 18:42	J
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 18:42	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	4/27/2012 18:42	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	4/27/2012 18:42	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	4/27/2012 18:42	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	4/27/2012 18:42	J
1,1-Dichloropropene	0.24	ug/L	U	1	1.0	0.24	4/27/2012 18:42	J
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	4/27/2012 18:42	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	4/27/2012 18:42	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215003 Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWC-3 Date Collected: 04/26/12 10:54

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 18:42	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 18:42	J
1,3-Dichlorobenzene	0.31	ug/L	U	1	1.0	0.31	4/27/2012 18:42	J
1,3-Dichloropropane	0.31	ug/L	U	1	1.0	0.31	4/27/2012 18:42	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	4/27/2012 18:42	J
2,2-Dichloropropane	0.57	ug/L	U	1	5.0	0.57	4/27/2012 18:42	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	4/27/2012 18:42	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	4/27/2012 18:42	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	4/27/2012 18:42	J
Acetone	3.3	ug/L	U	1	5.0	3.3	4/27/2012 18:42	J
Acetonitrile	21	ug/L	U	1	50	21	4/27/2012 18:42	J
Acrolein (Propenal)	3.5	ug/L	U	1	5.0	3.5	4/27/2012 18:42	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	4/27/2012 18:42	J
Allyl Chloride(3-Chloropropene	2.1	ug/L	U	1	5.0	2.1	4/27/2012 18:42	J
Benzene	0.21	ug/L	U	1	1.0	0.21	4/27/2012 18:42	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	4/27/2012 18:42	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	4/27/2012 18:42	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	4/27/2012 18:42	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	4/27/2012 18:42	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	4/27/2012 18:42	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	4/27/2012 18:42	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	4/27/2012 18:42	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	4/27/2012 18:42	J
Chloroform	0.26	ug/L	U	1	1.0	0.26	4/27/2012 18:42	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	4/27/2012 18:42	J
Chloroprene	2.0	ug/L	U	1	5.0	2.0	4/27/2012 18:42	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	4/27/2012 18:42	J
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	4/27/2012 18:42	J
Dichlorodifluoromethane	0.34	ug/L	U	1	1.0	0.34	4/27/2012 18:42	J
Ethyl Methacrylate	2.1	ug/L	U	1	5.0	2.1	4/27/2012 18:42	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	4/27/2012 18:42	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	4/27/2012 18:42	J
Isobutyl Alcohol	44	ug/L	U	1	100	44	4/27/2012 18:42	J
Methacrylonitrile	18	ug/L	U	1	50	18	4/27/2012 18:42	J
Methyl Methacrylate	1.8	ug/L	U	1	5.0	1.8	4/27/2012 18:42	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	4/27/2012 18:42	J
Propionitrile (Ethyl cyanide)	21	ug/L	U	1	50	21	4/27/2012 18:42	J
Styrene	0.21	ug/L	U	1	1.0	0.21	4/27/2012 18:42	J
Tetrachloroethylene (PCE)	0.59	ug/L	U	1	1.0	0.59	4/27/2012 18:42	J
Toluene	3.0	ug/L		1	1.0	0.28	4/27/2012 18:42	J

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ANALYTICAL RESULTS

Workorder: G1202215 INITIAL MONITORING

Lab ID: G1202215003 Date Received: 04/26/12 14:40 Matrix: Water

Sample ID: MWC-3 Date Collected: 04/26/12 10:54

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	4/27/2012 18:42	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	4/27/2012 18:42	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	4/27/2012 18:42	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	4/27/2012 18:42	J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	4/27/2012 18:42	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	4/27/2012 18:42	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	4/27/2012 18:42	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	4/27/2012 18:42	J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	4/27/2012 18:42	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	4/27/2012 18:42	J
1,2-Dichloroethane-d4 (S)	101	%		1	80-120		4/27/2012 18:42	
Toluene-d8 (S)	96	%		1	88-110		4/27/2012 18:42	
Bromofluorobenzene (S)	102	%		1	86-115		4/27/2012 18:42	
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Chloride	56	mg/L		3	1.5	0.096	4/27/2012 19:27	G
Nitrate	5.8	mg/L		3	0.15	0.033	4/27/2012 19:27	G
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	0.62	mg/L		1	0.010	0.0080	5/3/2012 13:06	G
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540C							
Total Dissolved Solids	910	mg/L		1	10	10	5/1/2012 13:18	G
Analysis Desc: Cyanide, SM4500-E, Water	Analytical Method: SM 4500-CN-E							
Cyanide	0.0023	mg/L	I	1	0.0050	0.0018	5/10/2012 08:30	T
Analysis Desc: Sulfide,SM4500S-D,Aqueous	Analytical Method: SM 4500-S-D							
Sulfide	0.018	mg/L	I	1	0.050	0.0062	5/1/2012 12:44	T

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ANALYTICAL RESULTS QUALIFIERS

Workorder: G1202215 INITIAL MONITORING

PARAMETER QUALIFIERS

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
0	
V	Method Blank Contamination
J4	Estimated Result

LAB QUALIFIERS

G	DOH Certification #E82001(AEL-G)(FL NELAC Certification)
J	DOH Certification #E82574(AEL-JAX)(FL NELAC Certification)
T	DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

QC Batch:	EXTj/1388	Analysis Method:	SW-846 8270C
QC Batch Method:	SW-846 3510C	Prepared:	04/27/2012 17:30

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 953125

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
Phenol	ug/L	0.60	0.60	U
2-Chlorophenol	ug/L	0.72	0.72	U
2-Methylphenol (o-Cresol)	ug/L	0.56	0.56	U
3+4-Methylphenol(mp-Cresol)	ug/L	1.5	1.5	U
2-Nitrophenol	ug/L	0.87	0.87	U
2,4-Dimethylphenol	ug/L	0.82	0.82	U
Benzoic Acid	ug/L	1.6	1.6	U
2,4-Dichlorophenol	ug/L	1.3	1.3	U
2,6-Dichlorophenol	ug/L	0.64	0.64	U
4-Chloro-3-methylphenol	ug/L	0.68	0.68	U
2,4,6-Trichlorophenol	ug/L	0.61	0.61	U
2,4,5-Trichlorophenol	ug/L	1.7	1.7	U
2,4-Dinitrophenol	ug/L	4.4	4.4	U
4-Nitrophenol	ug/L	1.6	1.6	U
2,3,4,6-Tetrachlorophenol	ug/L	0.62	0.62	U
2-Methyl-4,6-dinitrophenol	ug/L	2.0	2.0	U
N-Nitrosodimethylamine	ug/L	0.66	0.66	U
2-Picoline (2-Methylpyridine)	ug/L	1.1	1.1	U
Methyl Methanesulfonate	ug/L	0.68	0.68	U
Ethyl methanesulfonate	ug/L	0.97	0.97	U
Aniline	ug/L	1.1	1.1	U
bis(2-Chloroethyl)Ether	ug/L	1.2	1.2	U
1,3-Dichlorobenzene	ug/L	1.3	1.3	U
1,4-Dichlorobenzene	ug/L	1.4	1.4	U
1,2-Dichlorobenzene	ug/L	1.1	1.1	U
Benzyl Alcohol	ug/L	0.66	0.66	U
bis(2-Chloroisopropyl) Ether	ug/L	1.4	1.4	U
Acetophenone	ug/L	1.3	1.3	U
N-Nitrosodi-n-propylamine	ug/L	1.6	1.6	U
Hexachloroethane	ug/L	1.1	1.1	U
Nitrobenzene	ug/L	1.6	1.6	U
N-Nitrosopiperidine	ug/L	1.3	1.3	U
Isophorone	ug/L	1.5	1.5	U
bis(2-Chloroethoxy)methane	ug/L	1.6	1.6	U
1,2,4-Trichlorobenzene	ug/L	1.4	1.4	U
a,a-Dimethylphenethylamine	ug/L	1.4	1.4	U
4-Chloroaniline	ug/L	1.1	1.1	U
Hexachlorobutadiene	ug/L	1.3	1.3	U
N-Nitrosodi-n-butylamine	ug/L	1.3	1.3	U

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

METHOD BLANK: 953125

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Hexachlorocyclopentadiene	ug/L	1.2	1.2	U
1,2,4,5-Tetrachlorobenzene	ug/L	1.4	1.4	U
2-Chloronaphthalene	ug/L	1.2	1.2	U
2-Nitroaniline	ug/L	1.8	1.8	U
Dimethyl phthalate	ug/L	2.3	2.3	U
2,6-Dinitrotoluene (2,6-DNT)	ug/L	1.7	1.7	U
3-Nitroaniline	ug/L	2.0	2.0	U
Pentachlorobenzene	ug/L	1.4	1.4	U
Dibenzofuran	ug/L	1.4	1.4	U
2,4-Dinitrotoluene (2,4-DNT)	ug/L	1.5	1.5	U
1-Naphthylamine	ug/L	1.7	1.7	U
2-Naphthylamine	ug/L	1.2	1.2	U
Diethyl phthalate	ug/L	1.5	1.5	U
4-Chlorophenyl Phenyl Ether	ug/L	1.2	1.2	U
4-Nitroaniline	ug/L	2.6	2.6	U
Diphenylamine	ug/L	2.6	2.6	U
1,2-Diphenylhydrazine	ug/L	3.1	3.1	U
Phenacetin	ug/L	1.2	1.2	U
4-Bromophenyl Phenyl Ether	ug/L	1.3	1.3	U
Hexachlorobenzene	ug/L	1.4	1.4	U
Pentachloronitrobenzene	ug/L	2.0	2.0	U
4-Aminobiphenyl	ug/L	1.3	1.3	U
Pronamide (Kerb)	ug/L	1.4	1.4	U
Di-n-Butyl Phthalate	ug/L	1.1	1.1	U
Benzidine	ug/L	0.90	0.90	U
4-Dimethyl aminoazobenzene	ug/L	1.6	1.6	U
Butyl benzyl phthalate	ug/L	1.5	1.5	U
3,3`-Dichlorobenzidine	ug/L	1.4	1.4	U
bis(2-Ethylhexyl) phthalate	ug/L	1.9	1.9	U
Di-n-octyl Phthalate	ug/L	2.0	2.0	U
7,12-Dimethylbenz[a]anthracene	ug/L	1.8	1.8	U
3-Methylcholanthrene	ug/L	1.6	1.6	U
N-Nitrosodiphenylamine	ug/L	2.6	2.6	U
N-Nitrosomethylethylamine	ug/L	2.1	2.1	U
N-Nitrosodiethylamine	ug/L	1.7	1.7	U
N-Nitrosopyrrolidine	ug/L	1.1	1.1	U
o-Toluidine	ug/L	1.3	1.3	U
o,o,o-Triethylphosphorothioate	ug/L	1.2	1.2	U
Hexachloropropene	ug/L	1.1	1.1	U
1,4-Phenylenediamine	ug/L	8.2	8.2	U
Safrole	ug/L	1.0	1.0	U
Isosafrole	ug/L	1.5	1.5	U
1,4-Naphthoquinone	ug/L	1.3	1.3	U

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

METHOD BLANK: 953125

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,3-Dinitrobenzene	ug/L	1.8	1.8	U
5-Nitro-o-toluidine	ug/L	1.0	1.0	U
1,3,5-Trinitrobenzene	ug/L	1.0	1.0	U
Nitroquinoline-1-oxide	ug/L	3.5	3.5	U
Methapyrilene	ug/L	55	55	U
Isodrin	ug/L	1.4	1.4	U
3,3'-Dimethylbenzidine	ug/L	1.0	1.0	U
2-Acetylaminofluorene	ug/L	0.95	0.95	U
Thionazin (Zinophos)	ug/L	0.58	0.58	U
Diallate	ug/L	0.75	0.75	U
Chlorobenzilate	ug/L	1.4	1.4	U
Kepone	ug/L	74	74	U
2-Fluorophenol (S)	%	42	10-90	
Phenol-d6 (S)	%	28	10-67	
Nitrobenzene-d5 (S)	%	101	32-147	
2-Fluorobiphenyl (S)	%	96	34-140	
2,4,6-Tribromophenol (S)	%	64	19-190	
p-Terphenyl-d14 (S)	%	115	54-138	

QC Batch: MSVj/1419 Analysis Method: SW-846 82608

QC Batch Method: SW-846 5030B Prepared: 04/27/2012 10:22

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 953379

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Dichlorodifluoromethane	ug/L	0.34	0.34	U
Chloromethane	ug/L	0.29	0.29	U
Vinyl Chloride	ug/L	0.37	0.37	U
Bromomethane	ug/L	0.26	0.26	U
Chloroethane	ug/L	0.58	0.58	U
Trichlorofluoromethane	ug/L	0.35	0.35	U
Acrolein (Propenal)	ug/L	3.5	3.5	U
Acetone	ug/L	3.3	3.3	U
1,1-Dichloroethylene	ug/L	0.29	0.29	U
Iodomethane (Methyl Iodide)	ug/L	0.20	0.20	U
Acrylonitrile	ug/L	1.6	1.6	U
Methylene Chloride	ug/L	0.60	0.32	I
Carbon Disulfide	ug/L	0.34	0.34	U
trans-1,2-Dichloroethylene	ug/L	0.40	0.40	U
1,1-Dichloroethane	ug/L	0.21	0.21	U

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

METHOD BLANK: 953379

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Vinyl Acetate	ug/L	0.35	0.35	U
2-Butanone (MEK)	ug/L	0.97	0.97	U
cis-1,2-Dichloroethylene	ug/L	0.28	0.28	U
Bromochloromethane	ug/L	0.37	0.37	U
Chloroform	ug/L	0.26	0.26	U
2,2-Dichloropropane	ug/L	0.57	0.57	U
1,2-Dichloroethane	ug/L	0.29	0.29	U
1,1,1-Trichloroethane	ug/L	0.29	0.29	U
1,1-Dichloropropene	ug/L	0.24	0.24	U
Carbon Tetrachloride	ug/L	0.24	0.24	U
Benzene	ug/L	0.21	0.21	U
Dibromomethane	ug/L	0.38	0.38	U
1,2-Dichloropropane	ug/L	0.29	0.29	U
Trichloroethene	ug/L	0.36	0.36	U
Bromodichloromethane	ug/L	0.26	0.26	U
cis-1,3-Dichloropropene	ug/L	0.29	0.29	U
4-Methyl-2-pentanone (MIBK)	ug/L	0.51	0.51	U
trans-1,3-Dichloropropylene	ug/L	0.19	0.19	U
1,1,2-Trichloroethane	ug/L	0.33	0.33	U
Toluene	ug/L	0.28	0.28	U
1,3-Dichloropropane	ug/L	0.31	0.31	U
2-Hexanone	ug/L	0.44	0.44	U
Dibromochloromethane	ug/L	0.33	0.33	U
Tetrachloroethylene (PCE)	ug/L	0.59	0.59	U
1,1,1,2-Tetrachloroethane	ug/L	0.32	0.32	U
Chlorobenzene	ug/L	0.23	0.23	U
Ethylbenzene	ug/L	0.24	0.24	U
Bromoform	ug/L	0.62	0.62	U
Styrene	ug/L	0.21	0.21	U
1,1,2,2-Tetrachloroethane	ug/L	0.48	0.48	U
1,2,3-Trichloropropane	ug/L	0.32	0.32	U
1,3-Dichlorobenzene	ug/L	0.31	0.31	U
1,4-Dichlorobenzene	ug/L	0.37	0.37	U
1,2-Dichlorobenzene	ug/L	0.36	0.36	U
Acetonitrile	ug/L	21	21	U
Allyl Chloride(3-Chloropropene	ug/L	2.1	2.1	U
Propionitrile (Ethyl cyanide)	ug/L	21	21	U
Chloroprene	ug/L	2.0	2.0	U
Methacrylonitrile	ug/L	18	18	U
Isobutyl Alcohol	ug/L	44	44	U
Methyl Methacrylate	ug/L	1.8	1.8	U
Ethyl Methacrylate	ug/L	2.1	2.1	U
trans-1,4-Dichloro-2-butene	ug/L	1.8	1.8	U
Xylene (Total)	ug/L	0.62	0.62	U

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

METHOD BLANK: 953379

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,2-Dichloroethane-d4 (S)	%	100	80-120	
Toluene-d8 (S)	%	99	88-110	
Bromofluorobenzene (S)	%	100	86-115	

QC Batch: EXTj/1394 Analysis Method: SW-846 8270C (SIM)
QC Batch Method: SW-846 3510C Prepared: 04/30/2012 12:00
Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 953623

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
Naphthalene	ug/L	0.053	0.053	U
2-Methylnaphthalene	ug/L	0.045	0.045	U
1-Methylnaphthalene	ug/L	0.018	0.018	U
Acenaphthylene	ug/L	0.030	0.030	U
Acenaphthene	ug/L	0.034	0.034	U
Fluorene	ug/L	0.030	0.030	U
Phenanthrene	ug/L	0.036	0.036	U
Anthracene	ug/L	0.028	0.028	U
Fluoranthene	ug/L	0.027	0.027	U
Pyrene	ug/L	0.033	0.033	U
Benzo[a]anthracene	ug/L	0.026	0.026	U
Chrysene	ug/L	0.041	0.041	U
Benzo[b]fluoranthene	ug/L	0.040	0.040	U
Benzo[k]fluoranthene	ug/L	0.058	0.058	U
Benzo[a]pyrene	ug/L	0.024	0.024	U
Indeno(1,2,3-cd)pyrene	ug/L	0.048	0.048	U
Dibenzo[a,h]anthracene	ug/L	0.042	0.042	U
Benzo[g,h,i]perylene	ug/L	0.034	0.034	U
Decafluorobiphenyl (S)	%	77	21-122	

QC Batch: DGMj/1473 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3010A Prepared: 05/01/2012 03:30
Associated Lab Samples: G1202215001, G1202215002, G1202215003

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

METHOD BLANK: 954104

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Barium	ug/L	0.28	0.28	U
Beryllium	ug/L	0.13	0.13	U
Iron	ug/L	38	38	U
Sodium	mg/L	0.032	0.026	I
Tin	ug/L	4.0	2.4	I
Vanadium	ug/L	0.18	0.18	U
Zinc	ug/L	2.0	2.0	U

QC Batch: WCAg/1608 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Prepared:
Associated Lab Samples: G1202215002, G1202215003

METHOD BLANK: 954202

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Chloride	mg/L	0.032	0.032	U
Nitrate	mg/L	0.011	0.011	U

QC Batch: WCAt/3319 Analysis Method: SM 4500-S-D
QC Batch Method: SM 4500-S-D Prepared:
Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 954343

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Sulfide	mg/L	0.0062	0.0062	U

QC Batch: WCAg/1610 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Prepared:
Associated Lab Samples: G1202215001

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

METHOD BLANK: 954560

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Chloride	mg/L	0.032	0.032	U
Nitrate	mg/L	0.011	0.011	U

QC Batch: WCAg/1623 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Prepared:
Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 956194

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Total Dissolved Solids	mg/L	10	10	U

METHOD BLANK: 956197

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Total Dissolved Solids	mg/L	10	10	U

QC Batch: EXTj/1406 Analysis Method: SW-846 8011
QC Batch Method: SW-846 8011 Prepared: 05/03/2012 10:00
Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 956503

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
Ethylene Dibromide (EDB)	ug/L	0.0062	0.0062	U
1,2-Dibromo-3-Chloropropane	ug/L	0.0060	0.0060	U
Tetrachloro-m-xylene (S)	%	123	40.3-190	

QC Batch: DGMj/1485 Analysis Method: SW-846 6020
QC Batch Method: SW-846 3010A Prepared: 05/03/2012 03:30

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 956666

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Chromium	ug/L	1.0	1.0	U
Cobalt	ug/L	0.053	0.053	U
Nickel	ug/L	0.083	0.083	U
Copper	ug/L	0.10	0.10	U
Arsenic	ug/L	0.36	0.36	U
Selenium	ug/L	2.2	2.2	U
Silver	ug/L	0.059	0.059	U
Cadmium	ug/L	0.14	0.14	U
Thallium	ug/L	0.067	0.067	U

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Antimony	ug/L	0.16	0.073	I
Lead	ug/L	0.076	0.076	U

QC Batch: WCAg/1628 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 956839

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Ammonia (N)	mg/L	0.0080	0.0080	U

QC Batch: EXTj/1408 Analysis Method: SW-846 8081A

QC Batch Method: SW-846 3510C Prepared: 05/03/2012 12:00

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 957026

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
alpha-BHC	ug/L	0.0030	0.0030	U
gamma-BHC (Lindane)	ug/L	0.0018	0.0018	U

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

METHOD BLANK: 957026

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
beta-BHC	ug/L	0.0019	0.0019	U
delta-BHC	ug/L	0.00086	0.00086	U
Heptachlor	ug/L	0.0035	0.0035	U
Aldrin	ug/L	0.0019	0.0019	U
Heptachlor Epoxide	ug/L	0.0017	0.0017	U
Endosulfan I	ug/L	0.0031	0.0031	U
4,4`-DDE	ug/L	0.0037	0.0037	U
Dieldrin	ug/L	0.0011	0.0011	U
Endrin	ug/L	0.0017	0.0017	U
4,4`-DDD	ug/L	0.0016	0.0016	U
Endosulfan II	ug/L	0.0026	0.0026	U
Endrin Aldehyde	ug/L	0.0025	0.0025	U
4,4`-DDT	ug/L	0.0021	0.0021	U
Endosulfan Sulfate	ug/L	0.0032	0.0032	U
Methoxychlor	ug/L	0.0058	0.0058	U
Chlordane (technical)	ug/L	0.047	0.047	U
Toxaphene	ug/L	0.11	0.11	U
Tetrachloro-m-xylene (S)	%	73	26-133	
Decachlorobiphenyl (S)	%	66	26-157	

QC Batch: EXTj/1409 Analysis Method: SW-846 8082A

QC Batch Method: SW-846 3510C Prepared: 05/03/2012 12:00

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 957032

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
Aroclor 1016 (PCB-1016)	ug/L	0.073	0.073	U
Aroclor 1221 (PCB-1221)	ug/L	0.11	0.11	U
Aroclor 1232 (PCB-1232)	ug/L	0.097	0.097	U
Aroclor 1242 (PCB-1242)	ug/L	0.096	0.096	U
Aroclor 1248 (PCB-1248)	ug/L	0.067	0.067	U
Aroclor 1254 (PCB-1254)	ug/L	0.051	0.051	U
Aroclor 1260 (PCB-1260)	ug/L	0.052	0.052	U
Tetrachloro-m-xylene (S)	%	73	32-124	
Decachlorobiphenyl (S)	%	66	29-144	

QC Batch: EXTj/1412 Analysis Method: EPA 8141

QC Batch Method: SW-846 3510C Prepared: 05/03/2012 16:00

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 957716

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
Phorate	ug/L	0.044	0.044	U
Disulfoton	ug/L	0.041	0.041	U
Methyl Parathion	ug/L	0.054	0.054	U
Dimethoate	ug/L	0.054	0.054	U
Parathion (Ethyl)	ug/L	0.064	0.064	U
Famphur	ug/L	0.11	0.11	U
Tributylphosphate (S)	%	127	70-130	

QC Batch: EXTj/1420 Analysis Method: EPA 8151

QC Batch Method: 8151 Prepared: 05/03/2012 09:00

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 959052

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
2,4-D	ug/L	0.63	0.63	U
Pentachlorophenol	ug/L	0.14	0.14	U
Silvex (2,4,5-TP)	ug/L	0.15	0.15	U
2,4,5-T	ug/L	0.17	0.17	U
Dinoseb	ug/L	0.26	0.26	U
2,4-Dichlorophenylacetic (S)	%	66	51-122	

QC Batch: DGMj/1511 Analysis Method: SW-846 7470A

QC Batch Method: SW-846 7470A Prepared: 05/10/2012 08:30

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 961507

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Mercury	mg/L	0.000014	0.000014	U

CERTIFICATE OF ANALYSIS

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QUALITY CONTROL DATA

Workorder: G1202215 INITIAL MONITORING

QC Batch: WCAt/3528 Analysis Method: SM 4500-CN-E

QC Batch Method: SM 4500-CN-E Prepared:

Associated Lab Samples: G1202215001, G1202215002, G1202215003

METHOD BLANK: 962426

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Cyanide	mg/L	0.0018	0.0018	U

QUALITY CONTROL DATA QUALIFIERS

Workorder: G1202215 INITIAL MONITORING

QUALITY CONTROL PARAMETER QUALIFIERS

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Lab QC Failure
J4	Estimated Result
V	Method Blank Contamination

Advanced Environmental Laboratories, Inc.
4965 SW 41st Blvd
Gainesville, FL 32608
Phone: (352) 377-2349
Fax: (352) 395-6639

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: G1202215 INITIAL MONITORING

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
G1202215001	MWB-1	SW-846 3510C	EXTj/1388	SW-846 8270C	MSSj/1178
G1202215002	MWC-2	SW-846 3510C	EXTj/1388	SW-846 8270C	MSSj/1178
G1202215003	MWC-3	SW-846 3510C	EXTj/1388	SW-846 8270C	MSSj/1178
G1202215001	MWB-1	SW-846 5030B	MSVj/1419	SW-846 8260B	MSVj/1420
G1202215002	MWC-2	SW-846 5030B	MSVj/1419	SW-846 8260B	MSVj/1420
G1202215003	MWC-3	SW-846 5030B	MSVj/1419	SW-846 8260B	MSVj/1420
G1202215001	MWB-1	SW-846 3510C	EXTj/1394	SW-846 8270C (SIM)	MSSj/1167
G1202215002	MWC-2	SW-846 3510C	EXTj/1394	SW-846 8270C (SIM)	MSSj/1167
G1202215003	MWC-3	SW-846 3510C	EXTj/1394	SW-846 8270C (SIM)	MSSj/1167
G1202215001	MWB-1	SW-846 3010A	DGMj/1473	SW-846 6010	ICPj/1290
G1202215002	MWC-2	SW-846 3010A	DGMj/1473	SW-846 6010	ICPj/1290
G1202215003	MWC-3	SW-846 3010A	DGMj/1473	SW-846 6010	ICPj/1290
G1202215002	MWC-2			EPA 300.0	WCAg/1608
G1202215003	MWC-3			EPA 300.0	WCAg/1608
G1202215001	MWB-1			SM 4500-S-D	WCAt/3319
G1202215002	MWC-2			SM 4500-S-D	WCAt/3319
G1202215003	MWC-3			SM 4500-S-D	WCAt/3319
G1202215001	MWB-1			EPA 300.0	WCAg/1610
G1202215001	MWB-1			SM 2540C	WCAg/1623
G1202215002	MWC-2			SM 2540C	WCAg/1623
G1202215003	MWC-3			SM 2540C	WCAg/1623
G1202215001	MWB-1	SW-846 8011	EXTj/1406	SW-846 8011	GCSj/1284
G1202215002	MWC-2	SW-846 8011	EXTj/1406	SW-846 8011	GCSj/1284
G1202215003	MWC-3	SW-846 8011	EXTj/1406	SW-846 8011	GCSj/1284

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: G1202215 INITIAL MONITORING

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
G1202215001	MWB-1	SW-846 3010A	DGMj/1485	SW-846 6020	ICMj/1096
G1202215002	MWC-2	SW-846 3010A	DGMj/1485	SW-846 6020	ICMj/1096
G1202215003	MWC-3	SW-846 3010A	DGMj/1485	SW-846 6020	ICMj/1096
G1202215001	MWB-1			EPA 350.1	WCAg/1628
G1202215002	MWC-2			EPA 350.1	WCAg/1628
G1202215003	MWC-3			EPA 350.1	WCAg/1628
G1202215001	MWB-1	SW-846 3510C	EXTj/1408	SW-846 8081A	GCSj/1286
G1202215002	MWC-2	SW-846 3510C	EXTj/1408	SW-846 8081A	GCSj/1286
G1202215003	MWC-3	SW-846 3510C	EXTj/1408	SW-846 8081A	GCSj/1286
G1202215001	MWB-1	SW-846 3510C	EXTj/1409	SW-846 8082A	GCSj/1287
G1202215002	MWC-2	SW-846 3510C	EXTj/1409	SW-846 8082A	GCSj/1287
G1202215003	MWC-3	SW-846 3510C	EXTj/1409	SW-846 8082A	GCSj/1287
G1202215001	MWB-1	SW-846 3510C	EXTj/1412	EPA 8141	GCSj/1304
G1202215002	MWC-2	SW-846 3510C	EXTj/1412	EPA 8141	GCSj/1304
G1202215003	MWC-3	SW-846 3510C	EXTj/1412	EPA 8141	GCSj/1304
G1202215001	MWB-1	8151	EXTj/1420	EPA 8151	GCSj/1299
G1202215002	MWC-2	8151	EXTj/1420	EPA 8151	GCSj/1299
G1202215003	MWC-3	8151	EXTj/1420	EPA 8151	GCSj/1299
G1202215001	MWB-1	SW-846 7470A	DGMj/1511	SW-846 7470A	CVAj/1097
G1202215002	MWC-2	SW-846 7470A	DGMj/1511	SW-846 7470A	CVAj/1097
G1202215003	MWC-3	SW-846 7470A	DGMj/1511	SW-846 7470A	CVAj/1097
G1202215001	MWB-1			SM 4500-CN-E	WCAt/3528
G1202215002	MWC-2			SM 4500-CN-E	WCAt/3528
G1202215003	MWC-3			SM 4500-CN-E	WCAt/3528

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: G1202215 INITIAL MONITORING

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
G1202215001	MWB-1			DISRES	FLDx/1001
G1202215002	MWC-2			DISRES	FLDx/1001
G1202215003	MWC-3			DISRES	FLDx/1001

Advanced Environmental Laboratories, Inc.

☐ Altamonte Springs: 520 S. Northlake Blvd., Ste. 1016 • Altamonte Springs, FL 32701 • 407.937.1594 • Fax 407.937.1597
☑ Gainesville: 4955 SW 41st Blvd. • Gainesville, FL 32608 • 352.377.2349 • Fax 352.295.0639
☐ Jacksonville: 6801 Southpoint Pkwy. • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354
☐ Miramar: 10200 USA Today Way, Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2281
☐ Tallahassee: 1288 Cedar Center Drive, Tallahassee, FL 32301 • 850.219.6274 • Fax 850.219.6275
☐ Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

Client Name:	Central Testing Laboratory
Address:	
Phone:	
FAX:	
Contact:	Ted Sprouse
Sampled By:	Frankie Allen
Turnaround Time:	☑ STANDARD ☐ RUSH
Page	1 of 1

Project Name: Initial Monitoring
P.O. Number or Project Number:
Project Location: Sumter County Landfill
REMARKS/SPECIAL INSTRUCTIONS:
T & S

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	40 MGV VOC	40 MGV EDB/DBCP	250 MAG CN	250 MLP NH4	500 MLP Cl,Tds,No3	500 MLP Sulfide	1 LP Metals	1 LAG PAH	1 LAG SVOC,OP Pest	1 LAG Herbicides,OC Pest/PCB	LABORATORY I.D. NUMBER
							ANALYSIS REQUIRED	HCL/I	THIO	Naoh	S	ICE	NaoH/Z	N	ICE	ICE	ICE	
	MWB-1	G	4/26/12	10:04	GW	16		X	X	X	X	X	X	X	X	X	X	001
	MWC-2	G	4/26/12	12:13	GW	16		X	X	X	X	X	X	X	X	X	X	002
	MWC-3	G	4/26/12	10:54	GW	16		X	X	X	X	X	X	X	X	X	X	003

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge
Preservation Code: I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice: ☐ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank
☑ Where required, pH checked
Temperature when received: 4.5 (in degrees celcius)
Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 1A

Form revised: 06/15/2010

	Relinquished by:	Date	Time	Received by:	Date	Time
1	[signature]	4/26	1740	[signature]	4/26	17:40
2						
3						
4						

FOR DRINKING WATER USE (When PWS information not otherwise supplied)
PWS ID:
Contact Person: Phone:
Supplier of Water:
Site Address:

ADVANCED ENVIRONMENTAL LABORATORIES, INC.
GROUNDWATER SAMPLING LOG
4965 SW 41ST BLVD. GAINESVILLE, FL 32608

SITE NAME:	Central Testing	SITE LOCATION:	Sumter Landfill
WELL NO:	MWB-1	SAMPLE ID:	DATE: 4/26/12

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	32.78	PURGE PUMP TYPE OR BAILER:	ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (40.00 feet – 32.78 feet) X .16 gallons/foot = 1.15 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	35	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	35	PURGING INITIATED AT:	9:14	PURGING ENDED AT:	9:39	TOTAL VOLUME PURGED (gallons):	4.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOL. Purged (Gallons)	Purge Rate (GPM)	pH (standard units)	Temp. (C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	Turbidity (NTU)	Depth to water (feet)	COLOR (describe)	ODOR (describe)
9:21	1.25	—	.178	7.07	23.4	959	2.20	229	32.92	Cloudy	No
9:24	.5	1.75	.166	7.04	23.4	957	2.16	138	32.92	Cloudy	No
9:27	.5	2.25	.166	7.02	23.5	956	2.20	78.5	32.90	Cloudy	No
9:31	.5	2.75	.125	7.01	23.5	953	1.95	57.6	32.90	No	No
9:35	.5	3.25	.125	6.99	23.7	954	2.32	33.1	33.90	No	No
9:39	.5	4.75	.125	6.98	23.7	959	2.43	43.5	33.90	No	No

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; ½" = 0.010; 5/8" = 0.015

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	Frankie Allen / AEL	Sampler's Signature:	Frankie Allen	SAMPLING INITIATED AT:	9:40	SAMPLING ENDED AT:	10:04

PUMP OR TUBING DEPTH IN WELL (feet):	35	TUBING MATERIAL CODE:	PE	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ___µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y Dedicated DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	Sample Pump Flow Rate (mls/min)
	# CONTAINERS	MATERIAL CODE	VOLUME	Preservative Used	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
					See Chain				

REMARKS:
Depth to water for piezometers, PZ-1 32.44, PZ-2 29.50, PZ-3 30.35, PZ-4 30.82

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; O = Other (Specify)

ADVANCED ENVIRONMENTAL LABORATORIES, INC.
GROUNDWATER SAMPLING LOG
4965 SW 41ST BLVD. GAINESVILLE, FL 32608

SITE NAME:	Central Testing	SITE LOCATION:	Sumter Landfill
WELL NO:	MWC-2	SAMPLE ID:	DATE: 4/26/12

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	3/8	feet to feet	34.35	ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (40.00 feet − 34.35 feet) X .16 gallons/foot = .90 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
36	36	11:20	11:56	3.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOL. Purged (Gallons)	Purge Rate (GPM)	pH (standard units)	Temp. (C)	COND. (circle units) umhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	Turbidity (NTU)	Depth to water (feet)	COLOR (describe)	ODOR (describe)
11:26	1	—	.166	6.86	26.2	1125	1.00	1082	34.50	Cloudy	No
11:32	.5	1.5	.083	6.77	27.2	1242	.55	377	34.46	Cloudy	No
11:38	.5	2	.083	6.74	27.5	1260	.52	182	34.48	Cloudy	No
11:44	.5	2.5	.083	6.72	27.8	1261	.39	130	34.46	Cloudy	No
11:50	.5	3	.083	6.71	27.8	1269	.51	86.3	34.44	No	No
11:56	.5	3.5	.083	6.70	28.0	1273	.47	72.3	34.47	No	No

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; ½" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	Sampler's Signature:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Frankie Allen / AEL	Frankie Allen	11:58	12:13

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: µm
36	PE		

FIELD DECONTAMINATION: PUMP Y N TUBING Y Dedicated DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	Sample Pump Flow Rate (ml/min)
	# CONTAINERS	MATERIAL CODE	VOLUME	Preservative Used	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
					See Chain				

REMARKS:

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; O = Other (Specify)

ADVANCED ENVIRONMENTAL LABORATORIES, INC.
GROUNDWATER SAMPLING LOG
4965 SW 41ST BLVD. GAINESVILLE, FL 32608

SITE NAME:	Central Testing	SITE LOCATION:	Sumter Landfill
WELL NO:	MWC-3	SAMPLE ID:	DATE: 4/26/12

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	3/8	WELL SCREEN INTERVAL DEPTH:	feet to feet	STATIC DEPTH TO WATER (feet):	33.13	PURGE PUMP TYPE OR BAILER:	ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (40.00 feet - 33.13 feet) X .16 gallons/foot = 1.09 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons = (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	35	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	35	PURGING INITIATED AT:	10:14	PURGING ENDED AT:	10:34	TOTAL VOLUME PURGED (gallons):	3.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOL. Purged (Gallons)	Purge Rate (GPM)	pH (standard units)	Temp. (C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	Turbidity (NTU)	Depth to water (feet)	COLOR (describe)	ODOR (describe)
10:18	1.25	—	.312	6.89	25.4	1340	1.00	348	33.20	Cloudy	No
10:22	.5	1.75	.166	6.80	25.6	1407	.74	126	33.20	Cloudy	No
10:25	.5	2.25	.166	6.73	25.8	1465	.56	36.7	33.20	No	No
10:28	.5	2.75	.166	6.71	25.9	1470	.54	26.3	33.20	No	No
10:31	.5	3.25	.166	6.70	26.0	1468	.51	21.1	33.20	No	No
10:34	.5	3.75	.166	6.69	26.0	1466	.46	18.1	33.20	No	No

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.80
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	Frankie Allen / AEL	Sampler's Signature:	Frankie Allen	SAMPLING INITIATED AT:	10:36	SAMPLING ENDED AT:	10:54

PUMP OR TUBING DEPTH IN WELL (feet):	35	TUBING MATERIAL CODE:	PE	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ___µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y Dedicated DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	Sample Pump Flow Rate (ml/min.)
	# CONTAINERS	MATERIAL CODE	VOLUME	Preservative Used	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
					See Chain				

REMARKS:

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; O = Other (Specify)